



Medtronic, Inc.

MyCareLink Home Communicator Model 26950

FCC 15.247:2026

RSS-247 Issue 4:2025

RSS-Gen Issue 5:2018+A1:2019+A2:2021

Bluetooth LE (DTS) Radio

Report: MDTR1166.6 Rev. 02, Issue Date: March 24, 2026



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CERTIFICATE OF TEST

Last Date of Test: November 18, 2025
Medtronic, Inc.
EUT: MyCareLink Home Communicator Model 26950

Radio Equipment Testing

Standards

Specification	Method
FCC 15.247:2026	ANSI C63.10-2020 + Cor.1-2023
RSS-247 Issue 4:2025	ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024
RSS-Gen Issue 5:2018+A1:2019+A2:2021	

Guidance

FCC KDB 558074 v05r02:2019
Notice 2021 - CEB0001

Results

Test Description	Result	FCC Section(s)	RSS Section(s)	ANSI C63.10 Section(s)	Comments
Powerline Conducted Emissions	Pass	15.207	RSS-Gen 8.8	6.2	
Duty Cycle	N/A	KDB 558074 -6.0	RSS-Gen 3.2	11.6	See Data.
DTS Bandwidth (6 dB)	Pass	15.247(a)(2), KDB 558074 -8.2	RSS-247 6.3.1(a)	11.8.2	
Occupied Bandwidth (99%)	N/A	KDB 558074 -2.1	RSS-Gen 6.7	6.9.3	See Data.
Output Power	Pass	15.247(b)(3), KDB 558074 -8.3.1	RSS-247 6.3.2, RSS-Gen 6.12	11.9.1.1	
Equivalent Isotropic Radiated Power	Pass	15.247(b)(3), KDB 558074 -8.3.1	RSS-247 6.3.2, RSS-Gen 6.12	11.9.1.1	
Power Spectral Density	Pass	15.247(e), KDB 558074 -8.4	RSS-247 6.3.1(b)	11.10.2	
Band Edge Compliance	Pass	15.247(d), KDB 558074 -8.5	RSS-247 6.6	11.11	
Spurious Conducted Emissions	Pass	15.247(d), KDB 558074 -8.5	RSS-247 6.6	11.11	
Spurious Radiated Emissions	Pass	15.247(d), KDB 558074 -8.6, 8.7	RSS-247 6.6, RSS-Gen 6.13, 8.10	11.12.1, 11.13.2, 6.5, 6.6	
Radiated Spurious Emissions Restricted Band Edge	Pass	15.247(d), KDB 558074 -8.6, 8.7	RSS-247 6.6, RSS-Gen 6.13, 8.10	11.12.1, 11.13.2, 6.5, 6.6	

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

CERTIFICATE OF TEST



Deviations From Test Standards

None

Approved By:

Jeff Alcock, Senior EMC Test Engineer
Signed for and on behalf of Element

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

REVISION HISTORY

Revision Number	Description	Date (yyyy-mm-dd)	Page Number
1	Corrections per TCB review	2026-02-25	3, 7, 13-15, 22, 26, 28-30, 32-34, 36-38, 41, 43, 45-47, 51, 53-60, 62
2	Updated year of FCC rule part	2026-03-24	1
	Updated year of FCC rule part, corrected C63.10 version for FCC		3
	Added software information to power settings page		12
	Added missing equipment to equipment list		54

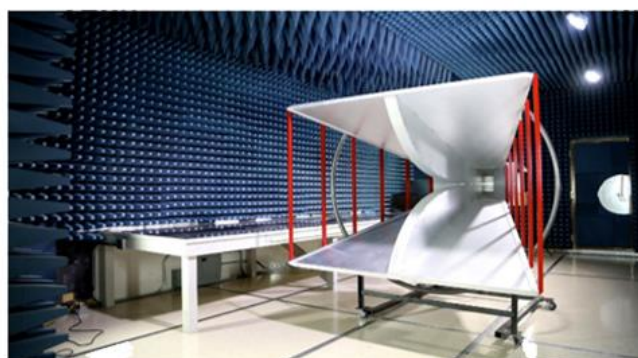
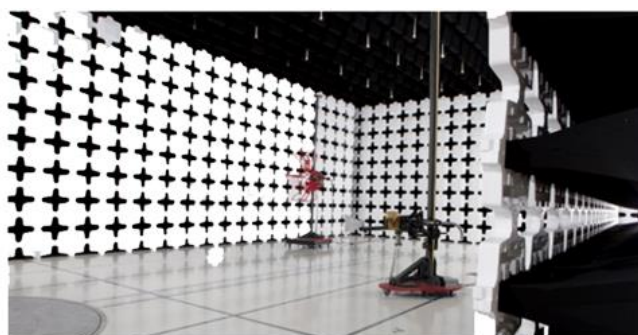
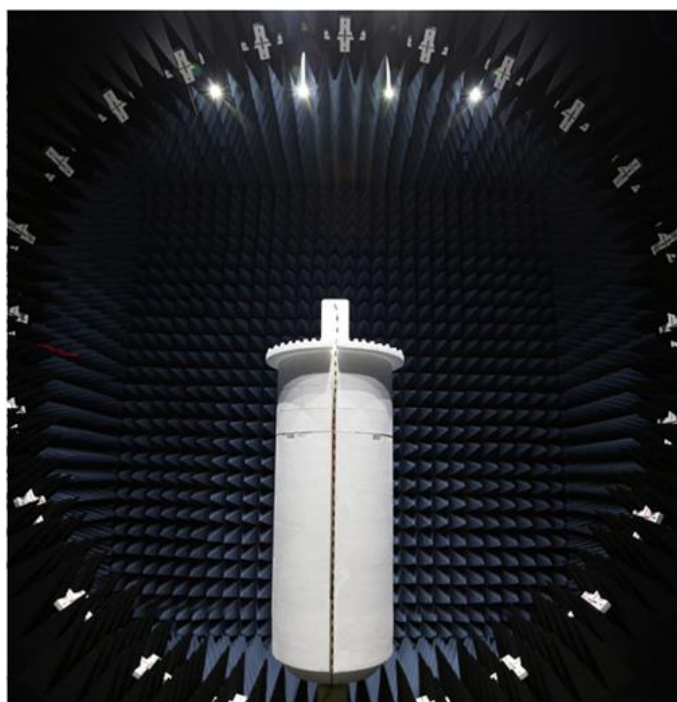
FACILITIES

Testing was performed at the following location(s)

	Location	Labs ⁽¹⁾	Address	A2LA ⁽²⁾	ISED ⁽³⁾	BSMI ⁽⁴⁾	VCCI ⁽⁵⁾	CAB	FDA ⁽⁶⁾
☒	California	OC01-17	41 Tesla Irvine, CA 92618 (949) 861-8918	3310.04	2834B	SL2-IN-E-1154R	A-0029	US0158	TL-55
☒	Minnesota	MN01-11	9349 W Broadway Ave. Brooklyn Park, MN 55445 (612) 638-5136	3310.05	2834E	SL2-IN-E-1152R	A-0109	US0175	TL-57
☐	Oregon	EV01-12	6775 NE Evergreen Pkwy #400 Hillsboro, OR 97124 (503) 844-4066	3310.02	2834D	SL2-IN-E-1017	A-0108	US0017	TL-56
☐	Washington	NC01-05	19201 120th Ave NE Bothell, WA 98011 (425) 984-6600	3310.06	2834F	SL2-IN-E-1153R	A-0110	US0157	TL-67
☐	Offsite	N/A	See Product Description	N/A	N/A	N/A	N/A	N/A	N/A

See data sheets for specific labs

- (1) The lab designations denote individual rooms within each location. (OC01, OC02, OC03, etc.)
- (2) A2LA Certificate No.
- (3) ISED Company No.
- (4) BSMI No.
- (5) VCCI Site Filing No.
- (6) FDA ASCA No.



MEASUREMENT UNCERTAINTY

Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation reported is based on statistical analysis that was performed by the laboratory. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty ($k=2$) can be found in the table below. A lab specific value may also be found in the applicable test description section. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable) and are available upon request.

The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Various Measurements

Test	All Labs (+/-)
Frequency Accuracy (%)	0.0007
Amplitude Accuracy (dB)	1.2
Conducted Power (dB)	1.2
Radiated Power via Substitution (dB)	0.7
Temperature (degrees C)	0.7
Humidity (% RH)	2.5
Voltage (AC) (%)	1
Voltage (DC) (%)	0.7
Near-field Measurement of E-Field (dB)	1.89
Near-field Measurement of H-Field (dB)	2.65

Field Strength Measurements (dB)

Range	OC10 (+/-)	MN09 (+/-)
9kHz-30MHz	1.8	N/A
30MHz-1GHz 3m	4.6	4.6
1GHz-6GHz	5	5.1
6GHz-40GHz	5.1	5.3

AC Powerline Conducted Emissions Measurements (dB)

Range	MN03 (+/-)
150 kHz – 30 MHz	3.2

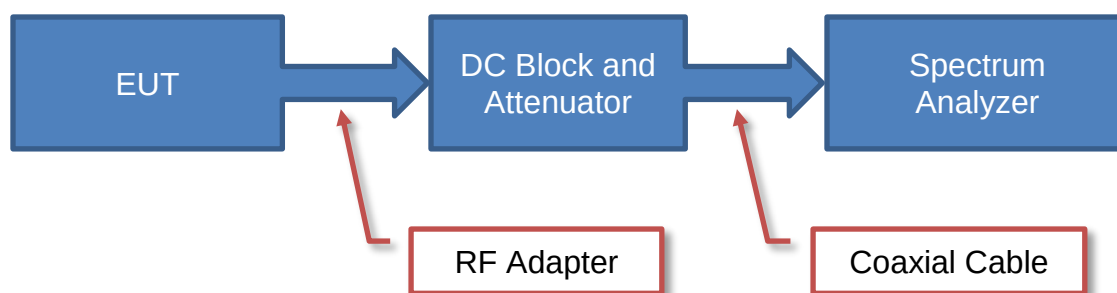
TEST SETUP BLOCK DIAGRAMS

Measurement Bandwidths

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Unless otherwise stated, measurements were made using the bandwidths and detectors specified. No video filter was used.

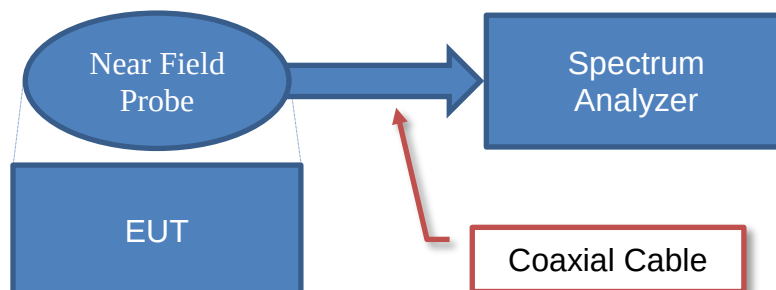
Antenna Port Conducted Measurements



Sample Calculation (logarithmic units)

$$\begin{array}{rcl}
 \text{Measured Value (dBuV)} & & \text{Measured Level (dBuV)} \\
 71.2 & = & 42.6 \\
 & & + \text{Reference Level Offset (dB)} \\
 & & 28.6
 \end{array}$$

Near Field Test Fixture Measurements

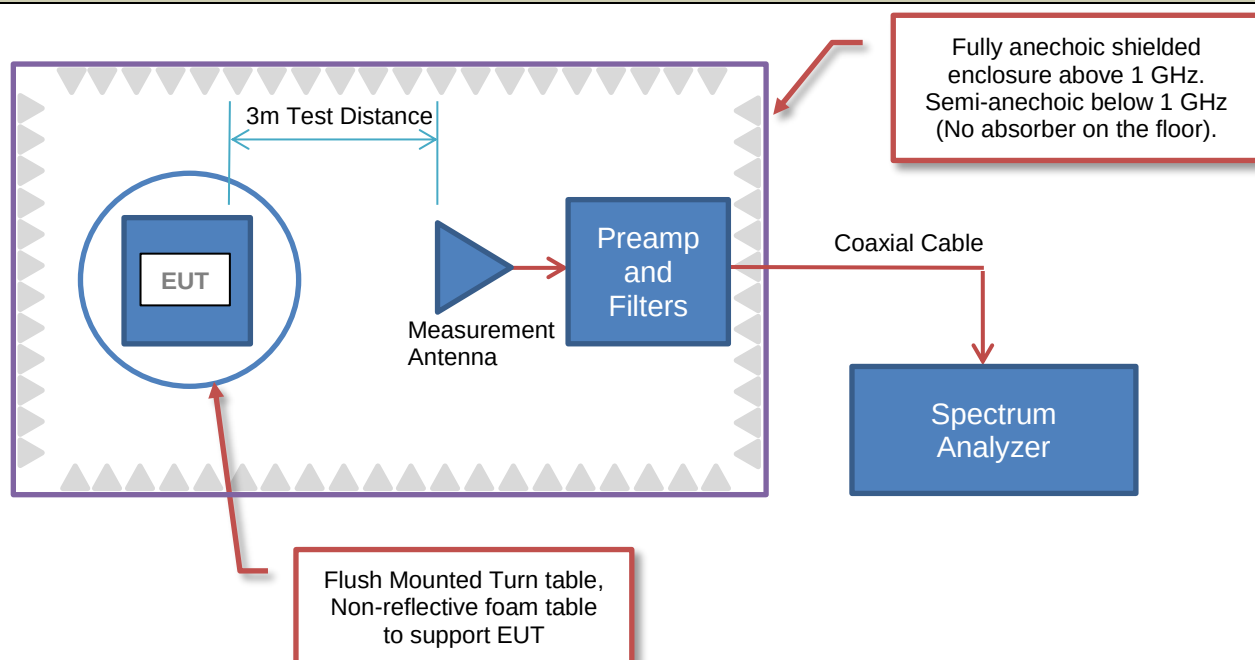


Sample Calculation (logarithmic units)

$$\begin{array}{rcl}
 \text{Measured Value (dBuV)} & & \text{Measured Level (dBuV)} \\
 71.2 & = & 42.6 \\
 & & + \text{Reference Level Offset (dB)} \\
 & & 28.6
 \end{array}$$

TEST SETUP BLOCK DIAGRAMS

Emissions Measurements



Sample Calculation (logarithmic units)

Radiated Emissions:

Measured Level (Amplitude dBuV)	Factor			Distance Adjustment Factor (dB)	External Attenuation (dB)	Field Strength (dBuV/m)
	Antenna Factor (dB/m)	Cable Factor (dB)	Amplifier Gain (dB)			
42.6	28.6	3.1	40.8	0.0	0.0	33.5

Conducted Emissions:

Measured Level (Amplitude dBuV)	Factor		External Attenuation (dB)	Adjusted Level (dBuV)
	Transducer Factor (dB)	Cable Factor (dB)		
26.7	0.3	0.1	20.0	47.1

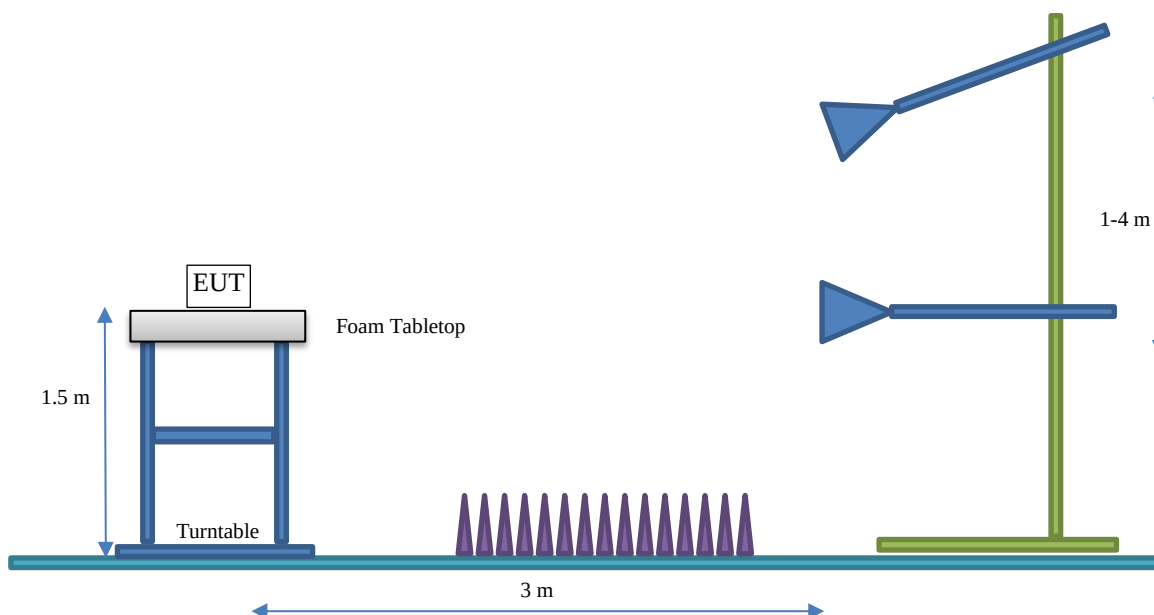
Radiated Power (ERP/EIRP) – Substitution Method:

Measured Level into Substitution Antenna (Amplitude dBm)	Substitution Antenna Factor (dBi)	EIRP to ERP (if applicable)	Measured power (dBm ERP/EIRP)
10.0	6.0	2.15	13.9/16.0

TEST SETUP BLOCK DIAGRAMS

Bore Sighting (>1GHz)

The diameter of the illumination area is the dimension of the line tangent to the EUT formed by 3 dB beamwidth of the measurement antenna at the measurement distance. At a 3 meter test distance, the diameter of the illumination area was 3.8 meters at 1 GHz and greater than 2.1 meters up to 6 GHz. Above 1 GHz, when required by the measurement standard, the antenna is pointed for both azimuth and elevation to maintain the receive antenna within the cone of radiation from the EUT. The specified measurement detectors were used for comparison of the emissions to the peak and average specification limits.



PRODUCT DESCRIPTION



Client and Equipment under Test (EUT) Information

Company Name:	Medtronic, Inc.
Address:	710 Medtronic Pkwy NE
City, State, Zip:	Minneapolis, MN 55432
Test Requested By:	Jed Meyer
EUT:	MyCareLink Home Communicator Model 26950
First Date of Test:	June 4, 2025
Last Date of Test:	November 18, 2025
Receipt Date of Samples:	June 4, 2025
Equipment Design Stage:	Production
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:

The MyCareLink Home Communicator Model 26950 monitor wirelessly transfers information between an implanted medical device and the Medtronic CareLink network. The wireless communication between the MyCareLink Home Communicator Model 26950 and an implanted medical device is accomplished by means of either a Bluetooth low energy (BLE) radio or inductive telemetry. The link between the MyCareLink Home Communication Model 26950 and the Medtronic CareLink network is accomplished by means of either a Wi-Fi or cellular radio. The Wi-Fi radio supports 802.11a/b/g/n (2.4 GHz and 5GHz, 20 or 40 MHz bandwidth) and the two variations of the cellular radio.

Testing Objective:

To demonstrate compliance of the Bluetooth radio to FCC 15.247/RSS-247 requirements.

POWER SETTINGS AND ANTENNAS



The power settings, antenna gain value(s) and cable loss (if applicable) used for the testing contained in this report were provided by the customer and will affect the validity of the results. Element assumes no responsibility for the accuracy of this information. The power settings below reflect the maximum power that the EUT is allowed to transmit at during normal operation.

ANTENNA GAIN (dBi)

Type	Provided by:	Frequency Range (MHz)	Gain (dBi)
PCB Trace, Custom Dipole	Medtronic	2400-2483.5	5.0

The EUT was tested using the power settings provided by the manufacturer which were based upon:

- ☐ Test software settings
- ☒ Rated power settings

SETTINGS FOR ALL TESTS IN THIS REPORT

Modulation Types / Data Rates	Type	Channel	Frequency (MHz)	Power Setting (dBm)
BLE GFSK 125 kbps, 500 kbps, 1 Mbps, 2 Mbps	DTS	0 or 37	2402	6
		20 or 18	2442	6
		39	2480	6

Software/Firmware Running During Test

Description	Version
DVT2 Cellular (Global) Module Baseband FW	EG912UGLAAR03A13M08_01.200.01.200
DVT2 Cellular (US) Module Baseband FW	EG915QNALCR01A07M04_01.008.01.008
Base Wifi/Bluetooth Baseband FW	SDIW416---16.92.21.p149.4-MM6X16505.p23-(FP92)
Base PCBA FW Version	android-13.0.0_2.2.0-rc2(1.2.970)
Tel A/B PCBA FW Version	V0.1.4.1719
RelayPlusHwRadioTestTool	v1.1

CONFIGURATIONS



Configuration MDTR1166-1

Software/Firmware Running During Test	
Description	Version
DVT2 Cellular (Global) Module Baseband FW	EG912UGLAAR03A13M08_01.200.01.200
DVT2 Cellular (US) Module Baseband FW	EG915QNALCR01A07M04_01.008.01.008
Base Wifi/Bluetooth Baseband FW	SDIW416---16.92.21.p149.4-MM6X16505.p23-(FP92)
Base PCBA FW Version	android-13.0.0_2.2.0-rc2(1.2.970)
Tel A/B PCBA FW Version	V0.1.4.1719
RelayPlusHwRadioTestTool	v1.1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26950	Medtronic, Inc	MyCareLink Home Communicator Model 26900	BTB111014i

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
SMA Patch Cable	Murata	None	EQ24230010

Remote Equipment Outside of Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Laptop	Dell	Lattitude 5420	6VM66M3
DC Power Supply	Asian Power Devices Inc	W4A-24BI2RU	S4518999000005

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Programming USB with Custom JTAG Cable	Yes	1 m	Yes	Laptop	MyCareLink Home Communicator Model 26950
DC Power Cable	No	2 m	Yes	DC Power Supply	MyCareLink Home Communicator Model 26950

CONFIGURATIONS



Configuration MDTR1166-17

Software/Firmware Running During Test	
Description	Version
DVT2 Cellular (Global) Module Baseband FW	EG912UGLAAR03A13M08_01.200.01.200
Base Wifi/Bluetooth Baseband FW	SDIW416---16.92.21.p149.4-MM6X16505.p23-(FP92)
Base PCBA FW Version	android-13.0.0_2.2.0-rc2(1.2.970)
Tel A/B PCBA FW Version	V0.1.4.1719
RelayPlusHwRadioTestTool	v1.1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26950	Medtronic, Inc	MyCareLink Home Communicator Model 26950	ABB210019i

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC/DC Adapter	Asian Power Devices Inc	WA-24BI2FU	N/A

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	2.1 m	Yes	MyCareLink Home Communicator Model 26950	AC/DC Adapter

CONFIGURATIONS



Configuration MDTR1166-21

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26950	Medtronic, Inc	MyCareLink Home Communicator Model 26950	ABB210015i

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC/DC Adapter	Asian Power Devices Inc	WA-24BI2FU	N/A
Telemetry Head	Medtronic, Inc	N/A	N/A

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	2.1 m	Yes	MyCareLink Home Communicator Model 26950	AC/DC Adapter
Telemetry Cable	No	1.2 m	No	MyCareLink Home Communicator Model 26950	Telemetry Head
USB Extension Cable	No	50 cm	No	MyCareLink Home Communicator Model 26950	Unterminated

Configuration MDTR1166-24

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26950	Medtronic, Inc	MyCareLink Home Communicator Model 26950	ABB110159i

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC/DC Adapter	Asian Power Devices Inc	WA-24BI2FU	N/A

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	2.1 m	Yes	MyCareLink Home Communicator Model 26950	AC/DC Adapter

CONFIGURATIONS



Configuration MDTR1166-30

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26950	Medtronic, Inc	MyCareLink Home Communicator Model 26950	ABB110042i

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC/DC Adapter	Asian Power Devices Inc	WA-24BI2FU	N/A

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	2.1 m	Yes	MyCareLink Home Communicator Model 26950	AC/DC Adapter

Configuration MDTR1174-17

Software/Firmware Running During Test	
Description	Version
DVT2 Cellular (Global) Module Baseband FW	EG912UGLAAR03A13M08 01.200.01.200
DVT2 Cellular (US) Module Baseband FW	EG915QNALCR01A07M04 01.008.01.008
Base Wifi/Bluetooth Baseband FW	SDIW416---16.92.21.p149.4-MM6X16505.p23-(FP92)
Base PCBA FW Version	android-13.0.0_2.2.0-rc2(1.2.970)
Tel A/B PCBA FW Version	V0.1.4.1719
RelayPlusHwRadioTestTool	v1.1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26950	Medtronic, Inc	MyCareLink Home Communicator Model 26950	ABB110159i

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Laptop	Dell	Lattitude 5420	C0XC9Y2
AC/DC Adapter	Asian Power Devices Inc	W4A-24BI2RU	S4518999000005

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Power Cable	No	2 m	Yes	DC Power Supply	MyCareLink Home Communicator Model 26950
DC Power Cable	No	1.6 m	No	Laptop	AC/DC Adapter
AC Power	No	0.9 m	No	AC Power	AC/DC Adapter

MODIFICATIONS



Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2025-06-04	Occupied Bandwidth (99%)	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
2	2025-08-08	Duty Cycle	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
3	2025-10-03	Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
4	2025-10-07	Spurious Conducted Emissions	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
5	2025-10-07	Equivalent Isotropic Radiated Power	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
6	2025-10-07	Occupied Bandwidth (99%)	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
7	2025-10-07	RF Output Power	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
8	2025-10-07	Power Spectral Density	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
9	2025-10-07	Band Edge Compliance	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
10	2025-10-07	DTS Bandwidth (6 dB)	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.
11	2025-11-13	Output Power	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
12	2025-11-18	Radiated Spurious Emissions Restricted Band Edge	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

POWERLINE CONDUCTED EMISSIONS

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Per the standard, an insulating material was also added to ground plane between the EUT's power and remote I/O cables. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50ohm measuring port is terminated by a 50ohm EMI meter or a 50ohm resistive load. All 50ohm measuring ports of the LISN are terminated by 50ohm. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Receiver	Gauss Instruments	TDEMI 30M	ARS	2025-05-20	2026-05-20
LISN	Solar Electronics	9252-50-R-24-BNC	LIY	2025-03-30	2026-03-30
Cable - Conducted Cable Assembly	Northwest EMC	MNC, HGN, TYK, VAE	MNCA	2025-02-14	2026-02-14

CONFIGURATIONS INVESTIGATED

MDTR1166-30

MODES INVESTIGATED

EUT Transmitting BLE, Mid Ch 2440 MHz, 1 Mbps, Pwr 6dBm

POWERLINE CONDUCTED EMISSIONS

EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB110042i	Date:	2025-10-03
Customer:	Medtronic, Inc.	Temperature:	22.4°C
Attendees:	Jed Meyer	Relative Humidity:	55.6%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Christopher Heintzelman	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	MDTR1166-30

TEST PARAMETERS

Run #:	47	Line:	Neutral	Add. Ext. Attenuation (dB):	0
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COMMENTS

None

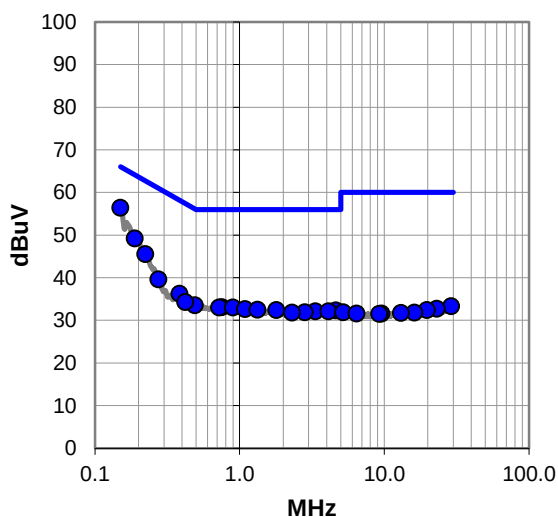
EUT OPERATING MODES

EUT Transmitting BLE, Mid Ch 2440 MHz, 1 Mbps, Pwr 6dBm

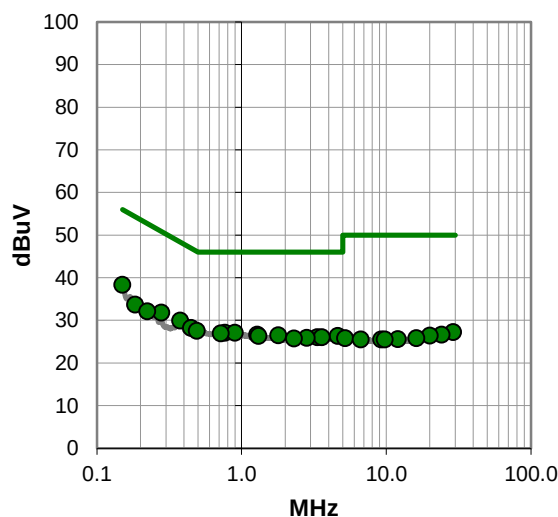
DEVIATIONS FROM TEST STANDARD

None

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #47

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	35.3	21.1	56.4	66.0	-9.6
0.188	28.3	20.9	49.2	64.1	-14.9
0.223	24.7	20.8	45.5	62.7	-17.2
0.275	18.9	20.7	39.6	61.0	-21.4
0.385	15.6	20.6	36.2	58.2	-22.0
0.490	12.8	20.7	33.5	56.2	-22.7
0.753	12.3	20.8	33.1	56.0	-22.9
0.722	12.2	20.8	33.0	56.0	-23.0
0.898	12.3	20.7	33.0	56.0	-23.0
0.422	13.6	20.7	34.3	57.4	-23.1
1.093	11.9	20.7	32.6	56.0	-23.4
1.328	11.8	20.7	32.5	56.0	-23.5
1.796	11.7	20.7	32.4	56.0	-23.6
4.619	11.4	20.9	32.3	56.0	-23.7
3.336	11.2	20.9	32.1	56.0	-23.9
4.105	11.2	20.9	32.1	56.0	-23.9
2.822	11.2	20.7	31.9	56.0	-24.1
2.309	11.1	20.7	31.8	56.0	-24.2
29.000	10.5	22.8	33.3	60.0	-26.7
23.094	10.5	22.2	32.7	60.0	-27.3
19.688	10.6	21.8	32.4	60.0	-27.6
5.203	11.0	20.9	31.9	60.0	-28.1
16.176	10.1	21.7	31.8	60.0	-28.2
13.080	10.3	21.4	31.7	60.0	-28.3
6.453	10.7	20.9	31.6	60.0	-28.4

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	17.2	21.1	38.3	56.0	-17.7
0.377	9.3	20.6	29.9	48.3	-18.4
0.448	7.5	20.7	28.2	46.9	-18.7
0.490	6.8	20.7	27.5	46.2	-18.7
0.769	6.4	20.7	27.1	46.0	-18.9
0.898	6.4	20.7	27.1	46.0	-18.9
0.278	11.2	20.6	31.8	50.9	-19.1
0.719	6.1	20.8	26.9	46.0	-19.1
1.282	5.9	20.7	26.6	46.0	-19.4
1.796	5.8	20.7	26.5	46.0	-19.5
1.313	5.6	20.7	26.3	46.0	-19.7
4.619	5.4	20.9	26.3	46.0	-19.7
3.334	5.1	20.9	26.0	46.0	-20.0
3.594	5.1	20.9	26.0	46.0	-20.0
2.822	5.2	20.7	25.9	46.0	-20.1
2.309	5.0	20.7	25.7	46.0	-20.3
0.184	12.7	21.0	33.7	54.3	-20.6
0.223	11.3	20.8	32.1	52.7	-20.6
28.994	4.4	22.8	27.2	50.0	-22.8
24.122	4.3	22.3	26.6	50.0	-23.4
20.014	4.5	21.9	26.4	50.0	-23.6
5.202	4.9	20.9	25.8	50.0	-24.2
16.163	4.1	21.7	25.8	50.0	-24.2
12.057	4.2	21.4	25.6	50.0	-24.4
6.670	4.6	20.9	25.5	50.0	-24.5

CONCLUSION

Pass



Tested By

POWERLINE CONDUCTED EMISSIONS

EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB110042i	Date:	2025-10-03
Customer:	Medtronic, Inc.	Temperature:	22.4°C
Attendees:	Jed Meyer	Relative Humidity:	55.6%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Christopher Heintzelman	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	MDTR1166-30

TEST PARAMETERS

Run #:	48	Line:	High Line	Add. Ext. Attenuation (dB):	0
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COMMENTS

None

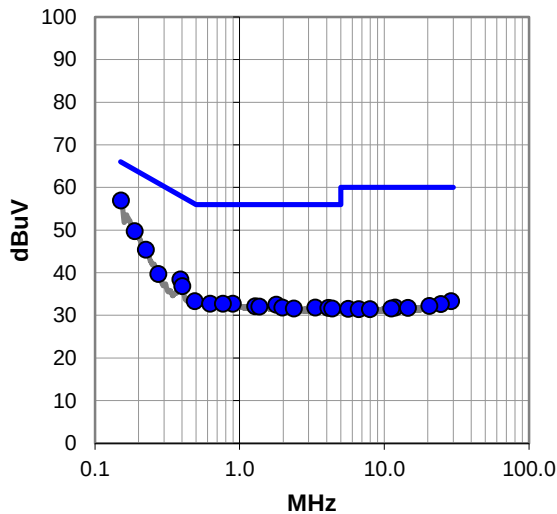
EUT OPERATING MODES

EUT Transmitting BLE, Mid Ch 2440 MHz, 1 Mbps, Pwr 6dBm

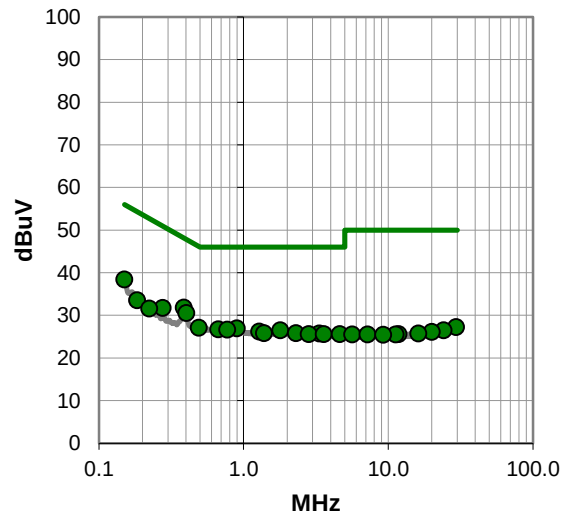
DEVIATIONS FROM TEST STANDARD

None

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #48

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.152	35.8	21.1	56.9	65.9	-9.0
0.188	28.8	20.9	49.7	64.1	-14.4
0.225	24.6	20.8	45.4	62.6	-17.2
0.390	17.8	20.6	38.4	58.1	-19.7
0.402	16.2	20.6	36.8	57.8	-21.0
0.275	19.0	20.7	39.7	61.0	-21.3
0.490	12.6	20.7	33.3	56.2	-22.9
0.898	12.0	20.7	32.7	56.0	-23.3
0.626	11.9	20.8	32.7	56.0	-23.3
0.768	11.9	20.8	32.7	56.0	-23.3
1.796	11.8	20.7	32.5	56.0	-23.5
1.282	11.4	20.7	32.1	56.0	-23.9
1.374	11.3	20.7	32.0	56.0	-24.0
1.979	11.1	20.7	31.8	56.0	-24.2
3.336	10.9	20.9	31.8	56.0	-24.2
4.108	10.8	20.9	31.7	56.0	-24.3
2.373	10.9	20.7	31.6	56.0	-24.4
4.363	10.7	20.9	31.6	56.0	-24.4
29.018	10.5	22.8	33.3	60.0	-26.7
24.644	10.3	22.3	32.6	60.0	-27.4
20.533	10.3	21.9	32.2	60.0	-27.8
11.894	10.4	21.4	31.8	60.0	-28.2
14.628	10.2	21.5	31.7	60.0	-28.3
11.232	10.3	21.3	31.6	60.0	-28.4
5.649	10.6	20.9	31.5	60.0	-28.5

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.386	11.2	20.6	31.8	48.1	-16.3
0.402	9.9	20.6	30.5	47.8	-17.3
0.150	17.3	21.1	38.4	56.0	-17.6
0.490	6.4	20.7	27.1	46.2	-19.1
0.898	6.2	20.7	26.9	46.0	-19.1
0.277	11.1	20.6	31.7	50.9	-19.2
0.669	5.9	20.8	26.7	46.0	-19.3
0.771	5.9	20.7	26.6	46.0	-19.4
1.795	5.8	20.7	26.5	46.0	-19.5
1.284	5.5	20.7	26.2	46.0	-19.8
1.387	5.1	20.7	25.8	46.0	-20.2
2.309	5.1	20.7	25.8	46.0	-20.2
3.336	4.8	20.9	25.7	46.0	-20.3
2.823	4.9	20.7	25.6	46.0	-20.4
3.592	4.7	20.9	25.6	46.0	-20.4
4.621	4.7	20.9	25.6	46.0	-20.4
0.184	12.5	21.0	33.5	54.3	-20.8
0.223	10.8	20.8	31.6	52.7	-21.1
29.522	4.4	22.8	27.2	50.0	-22.8
24.127	4.2	22.3	26.5	50.0	-23.5
20.021	4.2	21.9	26.1	50.0	-23.9
16.166	4.0	21.7	25.7	50.0	-24.3
11.821	4.2	21.4	25.6	50.0	-24.4
5.646	4.6	20.9	25.5	50.0	-24.5
7.187	4.5	21.0	25.5	50.0	-24.5

CONCLUSION

Pass



Tested By

DUTY CYCLE (RADIATED)

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The Duty Cycle (x) of the single channel operation of the radio as controlled by the provided test software was measured for each of the EUT operating modes.

There is no compliance requirement to be met by this test, so therefore no Pass / Fail criteria.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum.

The duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

If the transmit duty cycle < 98 percent, burst gating may have been used during some of the other tests in this report to only take the measurement during the burst duration.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Double Ridge	ETS Lindgren	3115	AIR	2024-07-23	2026-07-23
Cable	Northwest EMC	1-8GHz RE Cables	OCJ	2025-04-30	2026-04-30
Amplifier - Pre-Amplifier	Cernex	CBL01084020-xx	PAX	2025-04-30	2026-04-30
Attenuator	Fairview Microwave	SA18H-20	TKQ	2025-05-01	2026-05-01
Analyzer – Spectrum Analyzer	Agilent	N9010A	AFJ	2025-03-03	2026-03-03

DUTY CYCLE (RADIATED)

EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB210015i	Date:	2025-08-08
Customer:	Medtronic, Inc.	Temperature:	24°C
Attendees:	Jed Meyer	Relative Humidity:	51.9%
Customer Project:	None	Bar. Pressure (PMSL):	1013 mbar
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	110VAC/60Hz	Configuration:	MDTR1166-21

COMMENTS

Duty Cycle (Radiated Spurious Emissions and Radiated Spurious Emissions Restricted Band Edge)

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

N/A

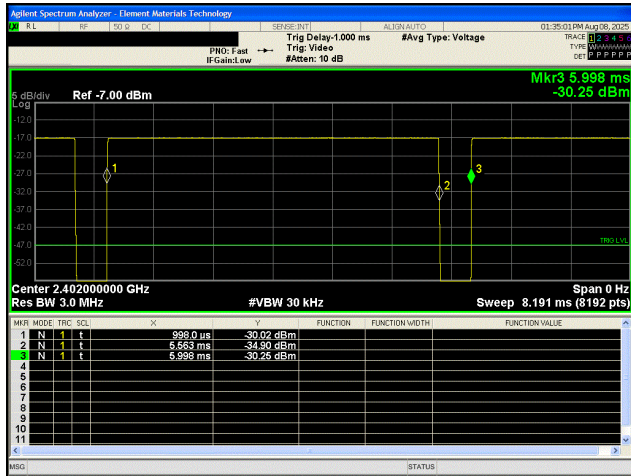


Tested_By

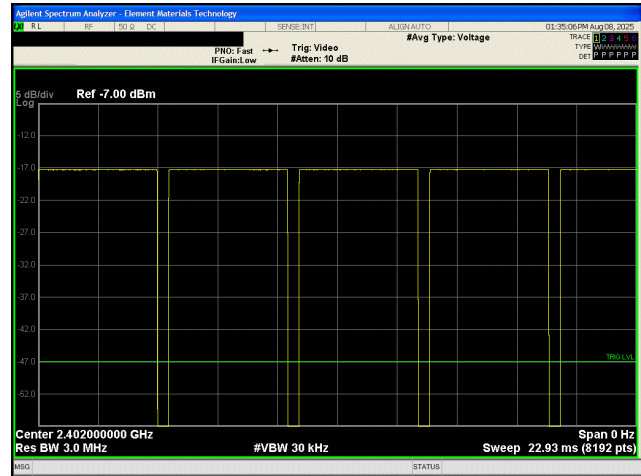
TEST RESULTS

	Pulse Width	Period	Number of Pulses	Value (%)	Limit N/A ()	Results
BLE/GFSK 125 kbps						
Low Channel, 2402 MHz	4.565 ms	5 ms	1.0	91.3	N/A	N/A
	N/A	N/A	5.0	N/A	N/A	N/A
BLE/GFSK 500 kbps						
Low Channel, 2402 MHz	4.565 ms	5 ms	1.0	91.3	N/A	N/A
	N/A	N/A	5.0	N/A	N/A	N/A
BLE/GFSK 1 Mbps						
Low Channel, 2402 MHz	2.143 ms	2.5 ms	1.0	85.7	N/A	N/A
	N/A	N/A	5.0	N/A	N/A	N/A
BLE/GFSK 2 Mbps						
High Channel, 2480 MHz	5.176 s	12.024 s	1.0	43.0	N/A	N/A
	N/A	N/A	6.0	N/A	N/A	N/A

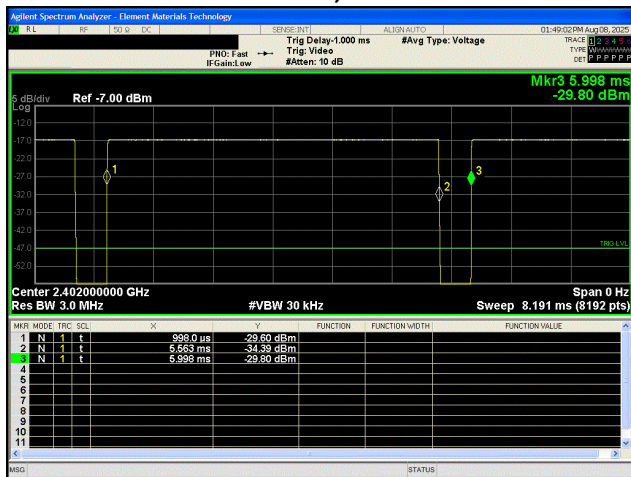
DUTY CYCLE (RADIATED)



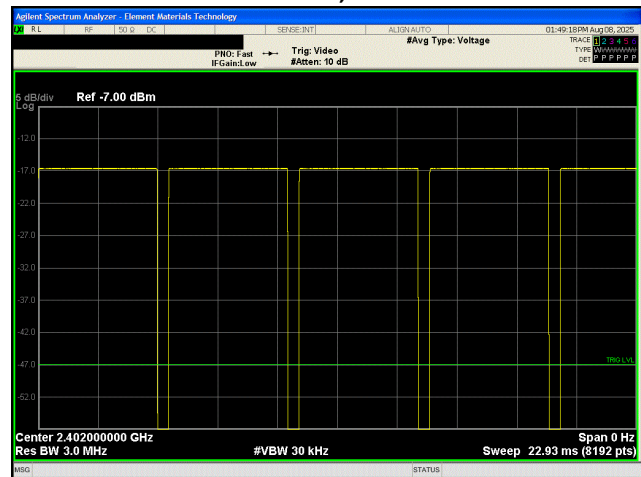
BLE/GFSK 125 kbps
Low Channel, 2402 MHz



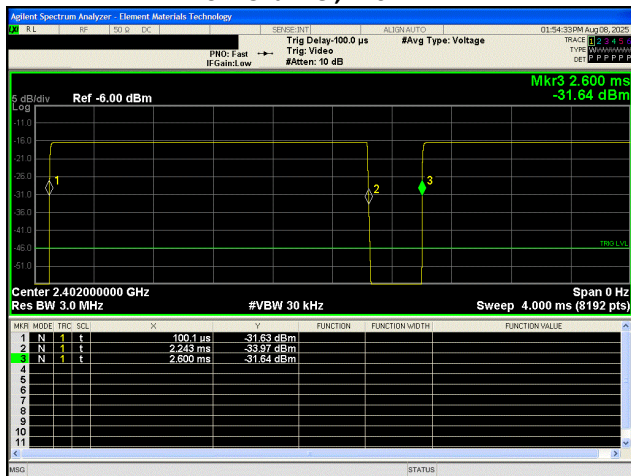
BLE/GFSK 125 kbps
Low Channel, 2402 MHz



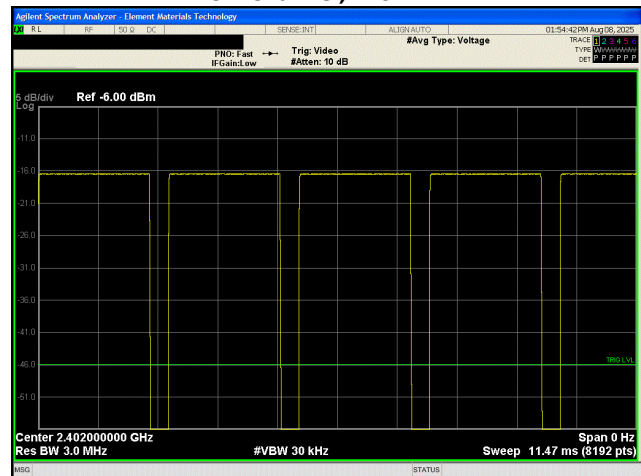
BLE/GFSK 500 kbps
Low Channel, 2402 MHz



BLE/GFSK 500 kbps
Low Channel, 2402 MHz

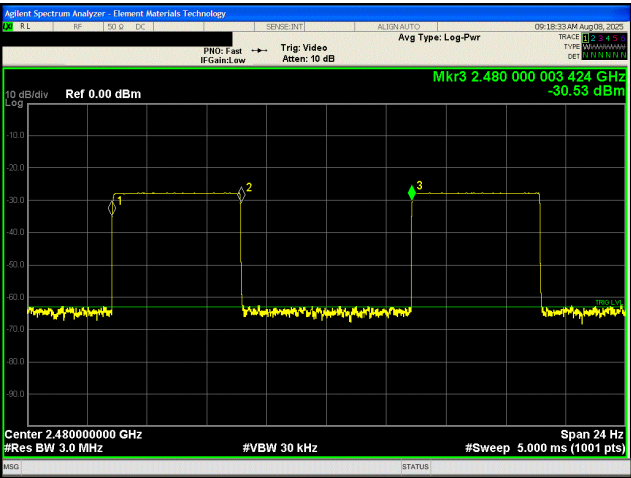


BLE/GFSK 1 Mbps
Low Channel, 2402 MHz

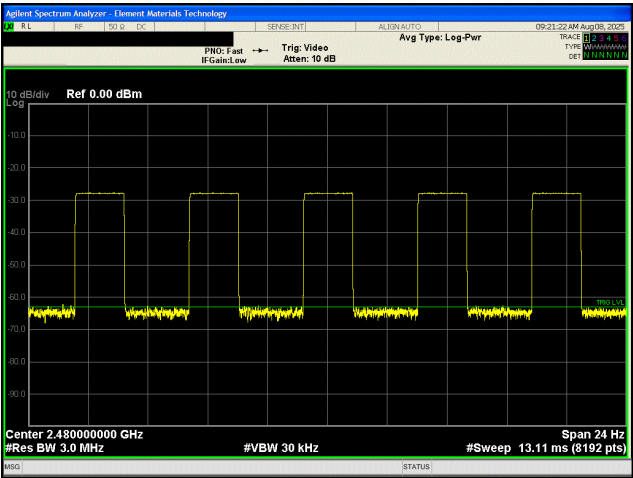


BLE/GFSK 1 Mbps
Low Channel, 2402 MHz

DUTY CYCLE (RADIATED)



BLE/GFSK 2 Mbps
High Channel, 2480 MHz



BLE/GFSK 2 Mbps
High Channel, 2480 MHz

DTS BANDWIDTH (6 dB)

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The EUT was set to the channels and modes listed in the datasheet.

The 6dB DTS bandwidth was measured using 100 kHz resolution bandwidth and 300 kHz video bandwidth. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.

TEST EQUIPMENT: 2025-06-04

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFI	2024-09-03	2025-09-03
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2024-08-28	2025-08-28
Block - DC	Fairview Microwave	SD3379	ANH	2024-08-28	2025-08-28
Attenuator	Fairview Microwave	SA4014-20	AQI	2024-08-28	2025-08-28
Signal Generator	Keysight	N5182B	TET	2024-09-12	2027-09-12

TEST EQUIPMENT: 2025-10-07

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03
Attenuator	S.M. Electronics	SA26B-20	RFW	2025-02-03	2026-02-03
Signal Generator, Vector	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Block - DC	Fairview Microwave	SD3379	ANK	2025-06-03	2026-06-03

DTS BANDWIDTH (6 dB)



EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	BTB111014i	Date:	2025-06-04 2025-10-07
Customer:	Medtronic, Inc.	Temperature:	22.7°C
Attendees:	Jed Meyer	Relative Humidity:	41.9%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mbar
Tested By:	Christopher Heintzelman, Arnauld Dedry	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1166-1

COMMENTS

Power setting 6dBm. Reference level offset includes measurement cable, 20db attenuator, DC block, and loss from the customer's SMA-patch cable which was declared by the customer. (Patch cable declared to be 1.0dB at 2400 MHz, 0.9dB at 2450 MHz, and 0.85dB at 2500 MHz.)

Worst case screen captures are provided.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

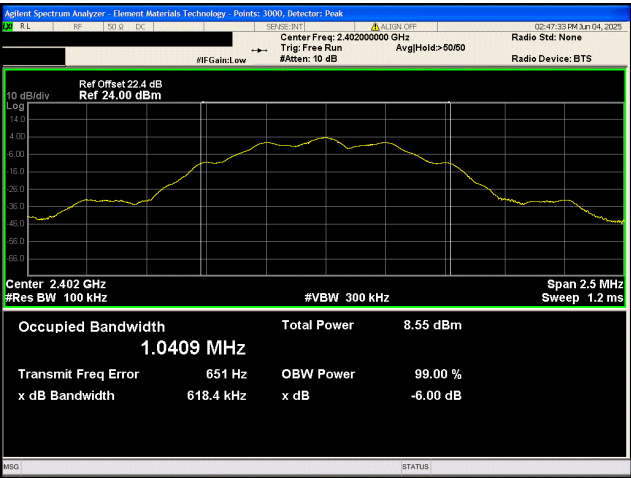
Pass

Tested By

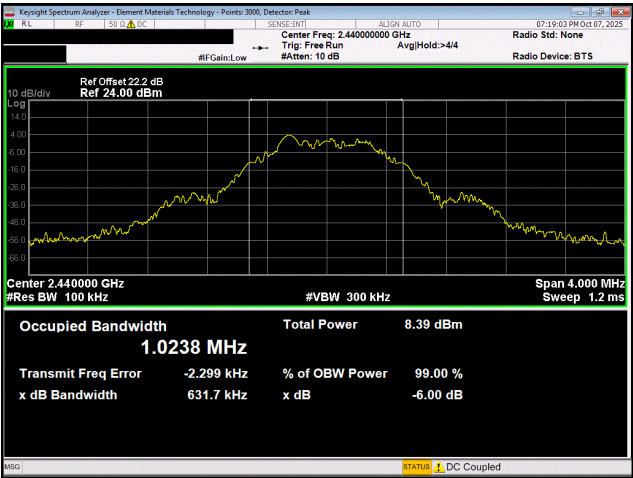
TEST RESULTS

		Value	Limit (≥)	Result
BLE/GFSK 125 kbps				
	Low Channel, 2402 MHz	618.381 kHz	500 kHz	Pass
	Mid Channel, 2440 MHz	623.08 kHz	500 kHz	Pass
	High Channel, 2480 MHz	619.519 kHz	500 kHz	Pass
BLE/GFSK 500 kbps				
	Low Channel, 2402 MHz	661.772 kHz	500 kHz	Pass
	Mid Channel, 2440 MHz	631.724 kHz	500 kHz	Pass
	High Channel, 2480 MHz	660.062 kHz	500 kHz	Pass
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	674.995 kHz	500 kHz	Pass
	Mid Channel, 2440 MHz	506.961 kHz	500 kHz	Pass
	High Channel, 2480 MHz	673.086 kHz	500 kHz	Pass
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	1.199 MHz	500 kHz	Pass
	Mid Channel, 2440 MHz	873.779 kHz	500 kHz	Pass
	High Channel, 2480 MHz	1.2 MHz	500 kHz	Pass

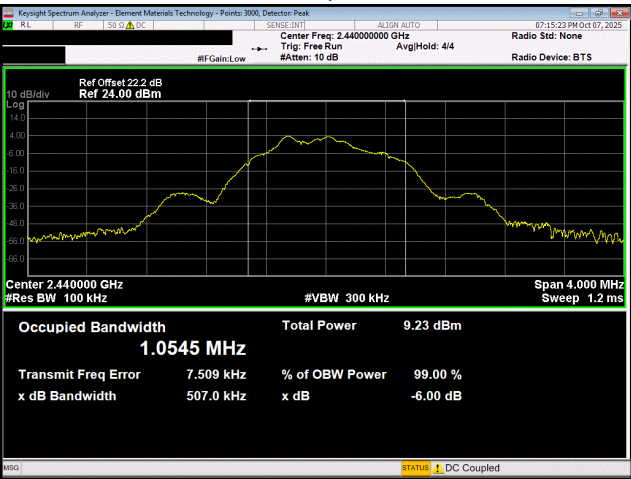
DTS BANDWIDTH (6 dB)



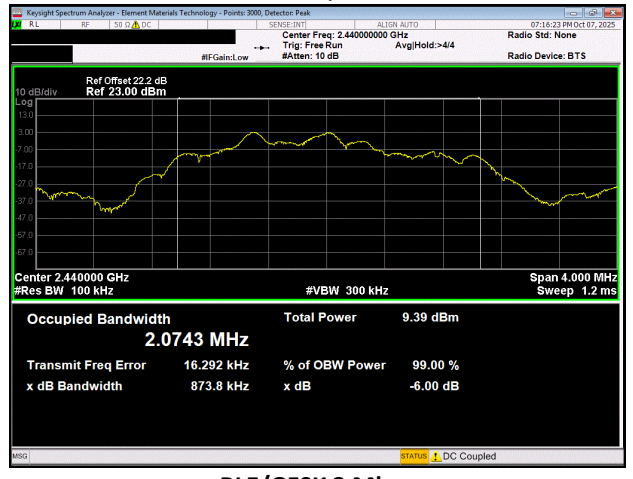
BLE/GFSK 125 kbps
Low Channel, 2402 MHz



BLE/GFSK 500 kbps
Mid Channel, 2440 MHz



BLE/GFSK 1 Mbps
Mid Channel, 2440 MHz



BLE/GFSK 2 Mbps
Mid Channel, 2440 MHz

OCCUPIED BANDWIDTH (99%)

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The 99% occupied bandwidth was measured with the EUT configured for continuous modulated operation.

The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.

The resolution bandwidth (RBW) of the spectrum analyzer was set to the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) bandwidth was set to at least 3 times the resolution bandwidth. The analyzer sweep time was set to auto to prevent video filtering or averaging. A sample detector was used unless the device was not able to be operated in a continuous transmit mode, in which case a peak detector was used.

The spectrum analyzer occupied bandwidth measurement function was used to sum the power of the transmission in linear terms to obtain the 99% bandwidth.

TEST EQUIPMENT 2025-06-04

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFI	2024-09-03	2025-09-03
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2024-08-28	2025-08-28
Block - DC	Fairview Microwave	SD3379	ANH	2024-08-28	2025-08-28
Attenuator	Fairview Microwave	SA4014-20	AQI	2024-08-28	2025-08-28
Signal Generator	Keysight	N5182B	TET	2024-09-12	2027-09-12

TEST EQUIPMENT: 2025-10-7

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03
Attenuator	S.M. Electronics	SA26B-20	RFW	2025-02-03	2026-02-03
Signal Generator, Vector	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Block - DC	Fairview Microwave	SD3379	ANK	2025-06-03	2026-06-03

OCCUPIED BANDWIDTH (99%)

EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1166
Serial Number:	BTB111014i	Date:	2025-06-04 2025-10-07
Customer:	Medtronic, Inc.	Temperature:	22.8°C
Attendees:	Jed Meyer	Relative Humidity:	42%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mbar
Tested By:	Christopher Heintzelman, Arnauld Dedry	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1166-1

COMMENTS

Power setting 6dBm. Reference level offset includes measurement cable, 20db attenuator, DC block, and loss from the customer's SMA-patch cable which was declared by the customer. (Patch cable declared to be 1.0dB at 2400 MHz, 0.9dB at 2450 MHz, and 0.85dB at 2500 MHz.)

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

N/A

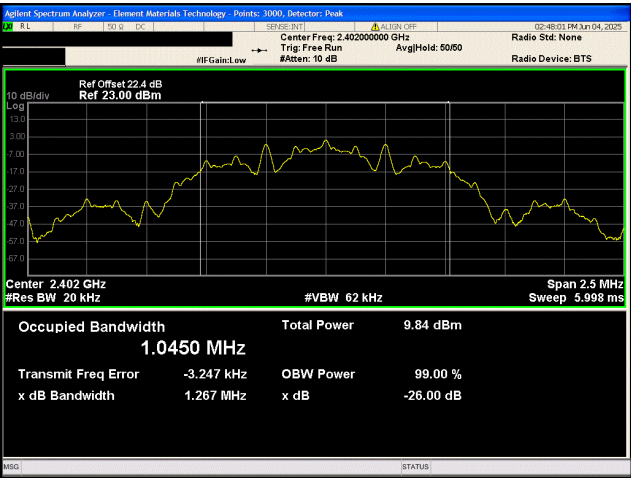


Tested By

TEST RESULTS

		Value	Limit	Result
BLE/GFSK 125 kbps				
	Low Channel, 2402 MHz	1.045 MHz	N/A	N/A
	Mid Channel, 2440 MHz	1.044 MHz	N/A	N/A
	High Channel, 2480 MHz	1.045 MHz	N/A	N/A
BLE/GFSK 500 kbps				
	Low Channel, 2402 MHz	1.023 MHz	N/A	N/A
	Mid Channel, 2440 MHz	955.349 kHz	N/A	N/A
	High Channel, 2480 MHz	1.02 MHz	N/A	N/A
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	1.01 MHz	N/A	N/A
	Mid Channel, 2440 MHz	1.002 MHz	N/A	N/A
	High Channel, 2480 MHz	1.011 MHz	N/A	N/A
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	2.033 MHz	N/A	N/A
	Mid Channel, 2440 MHz	1.895 MHz	N/A	N/A
	High Channel, 2480 MHz	2.032 MHz	N/A	N/A

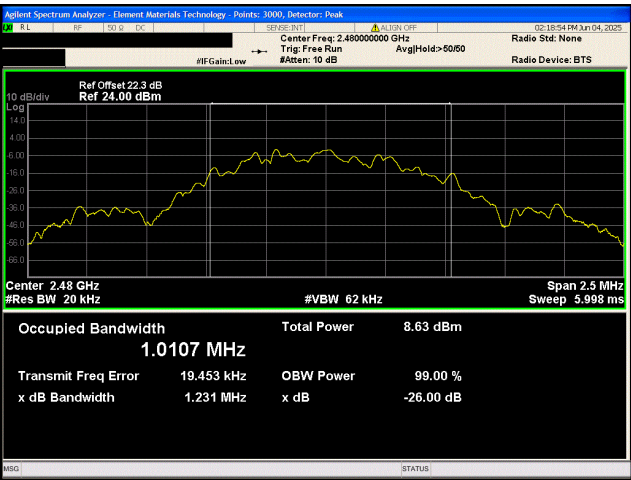
OCCUPIED BANDWIDTH (99%)



BLE/GFSK 125 kbps
Low Channel, 2402 MHz



BLE/GFSK 500 kbps
Low Channel, 2402 MHz



BLE/GFSK 1 Mbps
High Channel, 2480 MHz



BLE/GFSK 2 Mbps
Low Channel, 2402 MHz

RF OUTPUT POWER

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum.

Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2020 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

TEST EQUIPMENT 2025-06-04

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFI	2024-09-03	2025-09-03
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2024-08-28	2025-08-28
Block - DC	Fairview Microwave	SD3379	ANH	2024-08-28	2025-08-28
Attenuator	Fairview Microwave	SA4014-20	AQI	2024-08-28	2025-08-28
Signal Generator	Keysight	N5182B	TET	2024-09-12	2027-09-12

TEST EQUIPMENT: 2025-10-07

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03
Attenuator	S.M. Electronics	SA26B-20	RFW	2025-02-03	2026-02-03
Signal Generator, Vector	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Block - DC	Fairview Microwave	SD3379	ANK	2025-06-03	2026-06-03

RF OUTPUT POWER



EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1166
Serial Number:	BTB111014i	Date:	2025-06-04 2025-10-07
Customer:	Medtronic, Inc.	Temperature:	22.8°C
Attendees:	Jed Meyer	Relative Humidity:	41.9%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mbar
Tested By:	Christopher Heintzelman, Arnauld Dedry	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1166-1

COMMENTS

Power setting 6dBm. Reference level offset includes measurement cable, 20db attenuator, DC block, and loss from the customer's SMA-patch cable which was declared by the customer. (Patch cable declared to be 1.0dB at 2400 MHz, 0.9dB at 2450 MHz, and 0.85dB at 2500 MHz.)

Worst case screen captures are provided.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

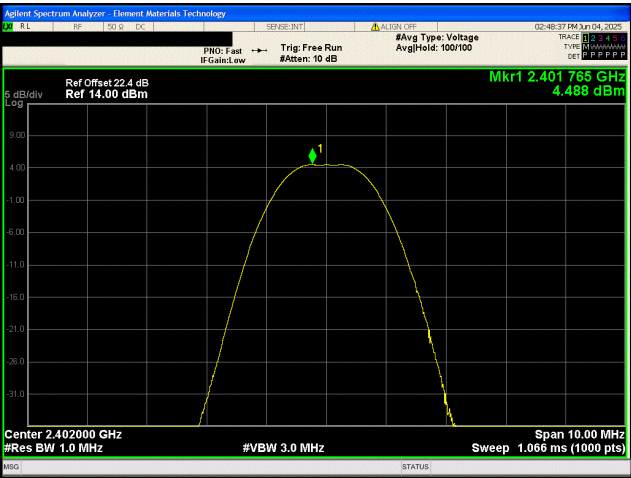
Pass

Tested By

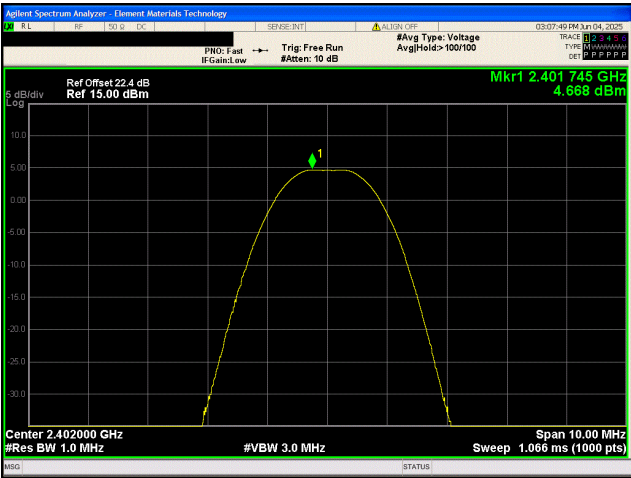
TEST RESULTS

		Out Pwr (dBm)	Limit (dBm)	Result
BLE/GFSK 125 kbps				
	Low Channel, 2402 MHz	4.488	30	Pass
	Mid Channel, 2440 MHz	3.759	30	Pass
	High Channel, 2480 MHz	4.101	30	Pass
BLE/GFSK 500 kbps				
	Low Channel, 2402 MHz	4.668	30	Pass
	Mid Channel, 2440 MHz	3.773	30	Pass
	High Channel, 2480 MHz	4.292	30	Pass
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	4.495	30	Pass
	Mid Channel, 2440 MHz	3.774	30	Pass
	High Channel, 2480 MHz	4.122	30	Pass
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	4.496	30	Pass
	Mid Channel, 2440 MHz	3.782	30	Pass
	High Channel, 2480 MHz	4.128	30	Pass

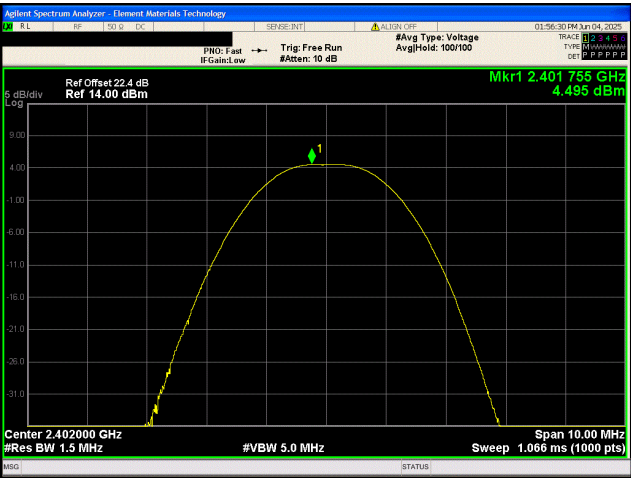
RF OUTPUT POWER



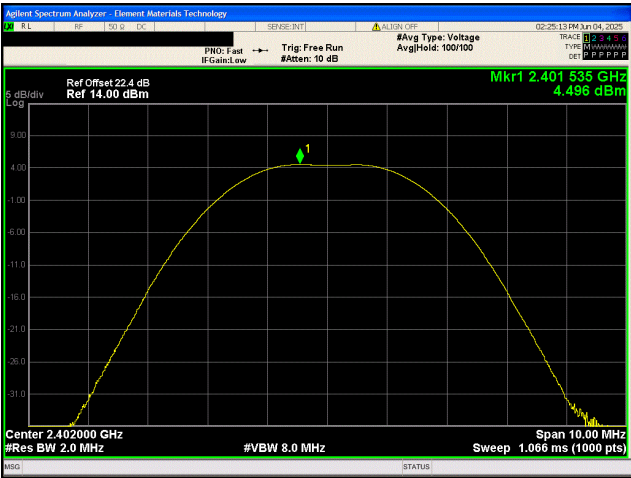
BLE/GFSK 125 kbps
Low Channel, 2402 MHz



BLE/GFSK 500 kbps
Low Channel, 2402 MHz



BLE/GFSK 1 Mbps
Low Channel, 2402 MHz



BLE/GFSK 2 Mbps
Low Channel, 2402 MHz

OUTPUT POWER – Spot Check

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum.

Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2020 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

Analyzer settings:

Detector: Peak

Sweep time: Auto

Resolution Bandwidth: $\geq$ DTS bandwidth

Video Bandwidth: $\geq 3 * \text{RBW}$

Trace: Max Hold

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Generator - Signal	Keysight	N5182B	TEV	2024-05-06	2027-05-06
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03
Block - DC	Fairview Microwave	SD3379	ANK	2025-06-03	2026-06-03
Attenuator	S.M. Electronics	SA26B-20	RFW	2025-02-03	2026-02-03

OUTPUT POWER – Spot Check



EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1174
Serial Number:	ABB110159i	Date:	2025-11-13
Customer:	Medtronic, Inc.	Temperature:	23.7°C
Attendees:	Jed Meyer	Relative Humidity:	27%
Customer Project:	None	Bar. Pressure (PMSL):	1014 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1174-17

COMMENTS

Reference level offset includes measurement cable, DC Block, 20db attenuator, and customer's patch cable.

Initial conducted measurements were taken without the inductive RF head connected and enclosed in the plastic case for the model 26900 because the enclosure for the 26950 was not available at time of the initial test. This spot check was performed on the highest output power channel and setting found originally, but with the inductive RF head attached and in the final plastic enclosure for the model 26950.

The board used for the 26900 and 26950 is identical, the only differences are the plastic case and the inductive RF head which is connected to the board on the 26950 by a plug on the circuit board not accessible to the user.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

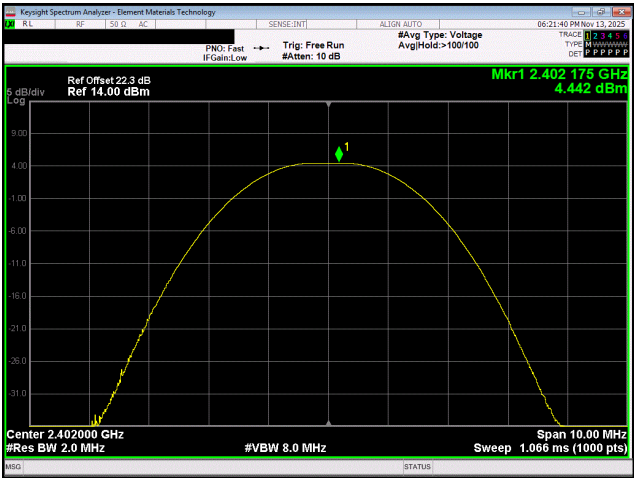
Pass

Tested By

TEST RESULTS

	Out Pwr (dBm)	Limit (dBm)	Result
MDTR1166: With Enclosure and Head BLE/GFSK 500 kbps			
Low Channel, 2402 MHz	4.442	30	Pass

OUTPUT POWER – Spot Check



MDTR1166: With Enclosure and Head
BLE/GFSK 500 kbps
Low Channel, 2402 MHz

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum.

Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2020 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

Equivalent Isotropic Radiated Power (EIRP) = Max Measured Power + Antenna gain (dBi)

TEST EQUIPMENT 2025-06-04

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFI	2024-09-03	2025-09-03
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2024-08-28	2025-08-28
Block - DC	Fairview Microwave	SD3379	ANH	2024-08-28	2025-08-28
Attenuator	Fairview Microwave	SA4014-20	AQI	2024-08-28	2025-08-28
Signal Generator	Keysight	N5182B	TET	2024-09-12	2027-09-12

TEST EQUIPMENT: 2025-10-07

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03
Attenuator	S.M. Electronics	SA26B-20	RFW	2025-02-03	2026-02-03
Signal Generator, Vector	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Block - DC	Fairview Microwave	SD3379	ANK	2025-06-03	2026-06-03

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1166
Serial Number:	BTB111014i	Date:	2025-06-04 2025-10-07
Customer:	Medtronic, Inc.	Temperature:	22.8°C
Attendees:	Jed Meyer	Relative Humidity:	41.8%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mbar
Tested By:	Christopher Heintzelman, Arnauld Dedry	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1166-1

COMMENTS

Power setting 6dBm.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

TEST RESULTS

	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
BLE/GFSK 125 kbps					
Low Channel, 2402 MHz	4.488	5.0	9.5	36	Pass
Mid Channel, 2440 MHz	3.759	5.0	8.8	36	Pass
High Channel, 2480 MHz	4.101	5.0	9.1	36	Pass
BLE/GFSK 500 kbps					
Low Channel, 2402 MHz	4.668	5.0	9.7	36	Pass
Mid Channel, 2440 MHz	3.773	5.0	8.8	36	Pass
High Channel, 2480 MHz	4.292	5.0	9.3	36	Pass
BLE/GFSK 1 Mbps					
Low Channel, 2402 MHz	4.495	5.0	9.5	36	Pass
Mid Channel, 2440 MHz	3.774	5.0	8.8	36	Pass
High Channel, 2480 MHz	4.122	5.0	9.1	36	Pass
BLE/GFSK 2 Mbps					
Low Channel, 2402 MHz	4.496	5.0	9.5	36	Pass
Mid Channel, 2440 MHz	3.782	5.0	8.8	36	Pass
High Channel, 2480 MHz	4.128	5.0	9.1	36	Pass

POWER SPECTRAL DENSITY

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The maximum power spectral density measurements was measured using the channels and modes as called out on the following data sheets.

Per the procedure outlined in ANSI C63.10 the peak power spectral density was measured in a 3 kHz RBW.

TEST EQUIPMENT 2025-06-04

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFI	2024-09-03	2025-09-03
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2024-08-28	2025-08-28
Block - DC	Fairview Microwave	SD3379	ANH	2024-08-28	2025-08-28
Attenuator	Fairview Microwave	SA4014-20	AQI	2024-08-28	2025-08-28
Signal Generator	Keysight	N5182B	TET	2024-09-12	2027-09-12

TEST EQUIPMENT: 2025-10-07

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03
Attenuator	S.M. Electronics	SA26B-20	RFW	2025-02-03	2026-02-03
Signal Generator, Vector	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Block - DC	Fairview Microwave	SD3379	ANK	2025-06-03	2026-06-03

POWER SPECTRAL DENSITY

EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1166
Serial Number:	BTB111014i	Date:	2025-06-04 2025-10-07
Customer:	Medtronic, Inc.	Temperature:	23.4°C
Attendees:	Jed Meyer	Relative Humidity:	40.5%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mbar
Tested By:	Christopher Heintzelman, Arnauld Dedry	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1166-1

COMMENTS

Power setting 6 dBm. Reference level offset includes measurement cable, 20db attenuator, DC block, and loss from the customer's SMA-patch cable which was declared by the customer. (Patch cable declared to be 1.0dB at 2400 MHz, 0.9dB at 2450 MHz, and 0.85dB at 2500 MHz.)

Worst case screen captures are provided.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass



Tested By

TEST RESULTS

		Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
BLE/GFSK 125 kbps				
	Low Channel, 2402 MHz	-1.445	8	Pass
	Mid Channel, 2440 MHz	-0.076	8	Pass
	High Channel, 2480 MHz	-0.193	8	Pass
BLE/GFSK 500 kbps				
	Low Channel, 2402 MHz	-1.714	8	Pass
	Mid Channel, 2440 MHz	-0.178	8	Pass
	High Channel, 2480 MHz	-2.045	8	Pass
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	-13.161	8	Pass
	Mid Channel, 2440 MHz	-12.767	8	Pass
	High Channel, 2480 MHz	-13.585	8	Pass
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	-19.06	8	Pass
	Mid Channel, 2440 MHz	-17.459	8	Pass
	High Channel, 2480 MHz	-19.318	8	Pass

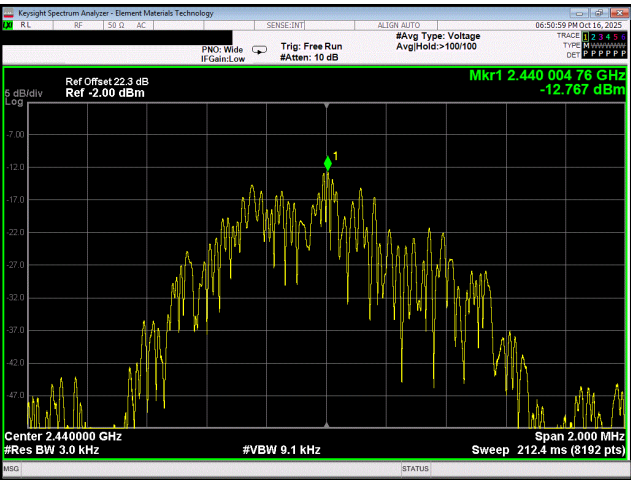
POWER SPECTRAL DENSITY



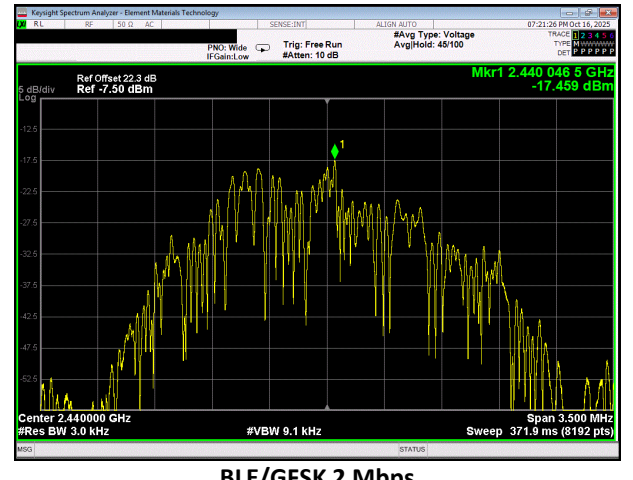
BLE/GFSK 125 kbps
Mid Channel, 2440 MHz



BLE/GFSK 500 kbps
Mid Channel, 2440 MHz



BLE/GFSK 1 Mbps
Mid Channel, 2440 MHz



BLE/GFSK 2 Mbps
Mid Channel, 2440 MHz

BAND EDGE COMPLIANCE

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in each available band. The channels closest to the band edges were selected. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge. The analyzer screen captures for this test show an example of the emission mask for the test mode also used during the radiated spurious emissions at the restricted band edges test.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFI	2024-09-03	2025-09-03
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2024-08-28	2025-08-28
Block - DC	Fairview Microwave	SD3379	ANH	2024-08-28	2025-08-28
Attenuator	Fairview Microwave	SA4014-20	AQI	2024-08-28	2025-08-28
Signal Generator	Keysight	N5182B	TET	2024-09-12	2027-09-12

TEST EQUIPMENT: 2025-10-07

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03
Attenuator	S.M. Electronics	SA26B-20	RFW	2025-02-03	2026-02-03
Signal Generator, Vector	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Block - DC	Fairview Microwave	SD3379	ANK	2025-06-03	2026-06-03

BAND EDGE COMPLIANCE



EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1166
Serial Number:	BTB111014i	Date:	2025-10-07
Customer:	Medtronic, Inc.	Temperature:	22.9°C
Attendees:	Jed Meyer	Relative Humidity:	41.7%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1166-1

COMMENTS

Power setting 6 dBm. Reference level offset includes measurement cable, 20db attenuator, DC block, and loss from the customer's SMA-patch cable which was declared by the customer. (Patch cable declared to be 1.0dB at 2400 MHz, 0.9dB at 2450 MHz, and 0.85dB at 2500 MHz.)

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

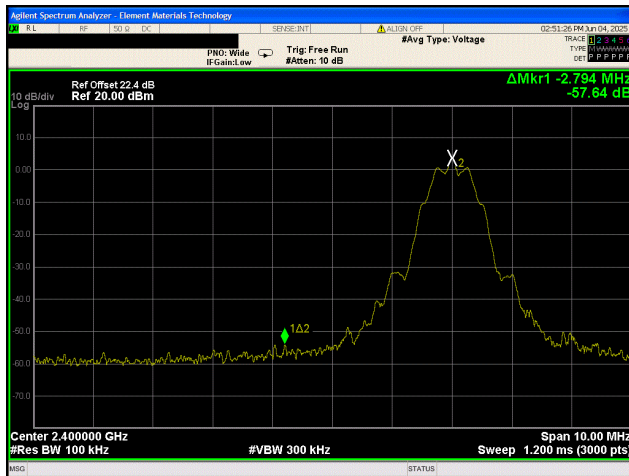
Pass

Tested By

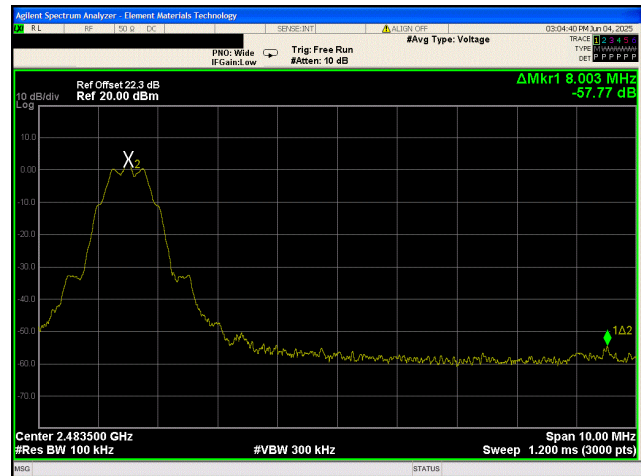
TEST RESULTS

		Value (dBc)	Limit ≤ (dBc)	Result
BLE/GFSK 125 kbps				
	Low Channel, 2402 MHz	-57.64	-20	Pass
	High Channel, 2480 MHz	-57.77	-20	Pass
BLE/GFSK 500 kbps				
	Low Channel, 2402 MHz	-57.72	-20	Pass
	High Channel, 2480 MHz	-58.49	-20	Pass
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	-55.64	-20	Pass
	High Channel, 2480 MHz	-58.34	-20	Pass
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	-32.28	-20	Pass
	High Channel, 2480 MHz	-57.8	-20	Pass

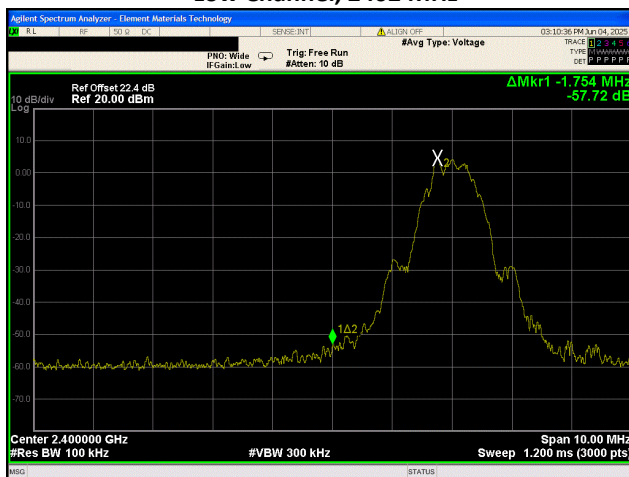
BAND EDGE COMPLIANCE



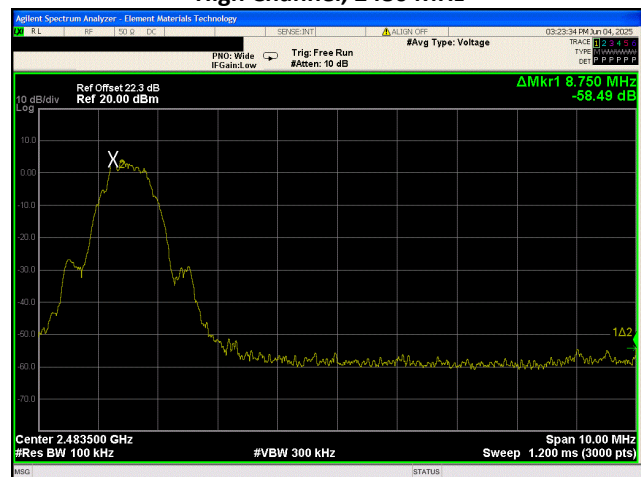
BLE/GFSK 125 kbps
Low Channel, 2402 MHz



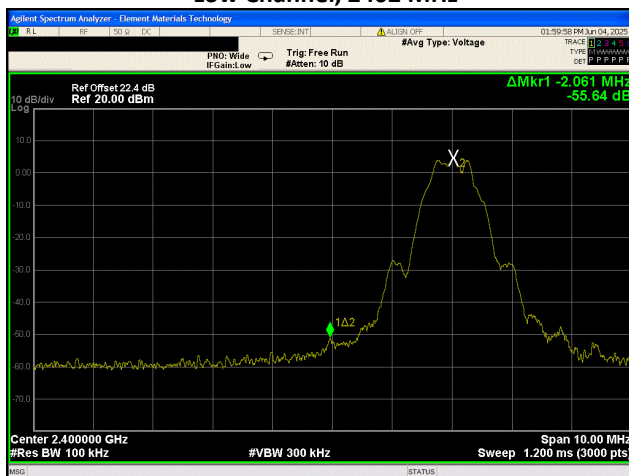
BLE/GFSK 125 kbps
High Channel, 2480 MHz



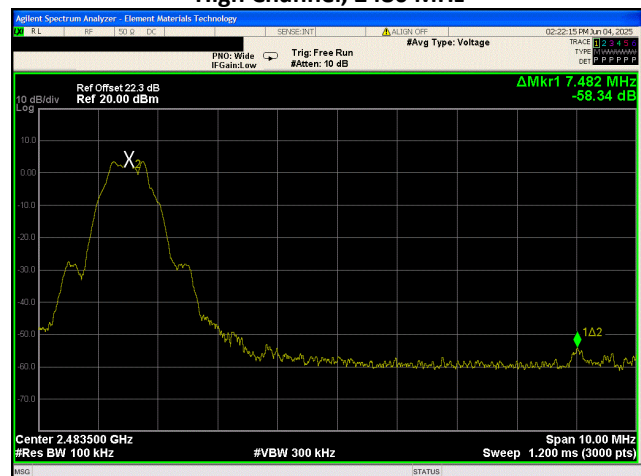
BLE/GFSK 500 kbps
Low Channel, 2402 MHz



BLE/GFSK 500 kbps
High Channel, 2480 MHz

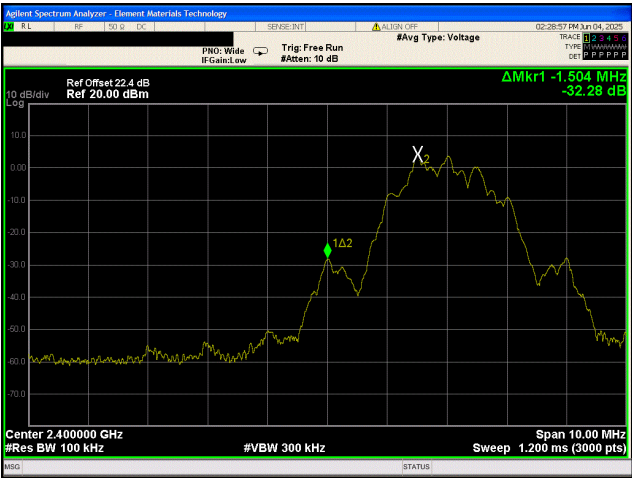


BLE/GFSK 1 Mbps
Low Channel, 2402 MHz

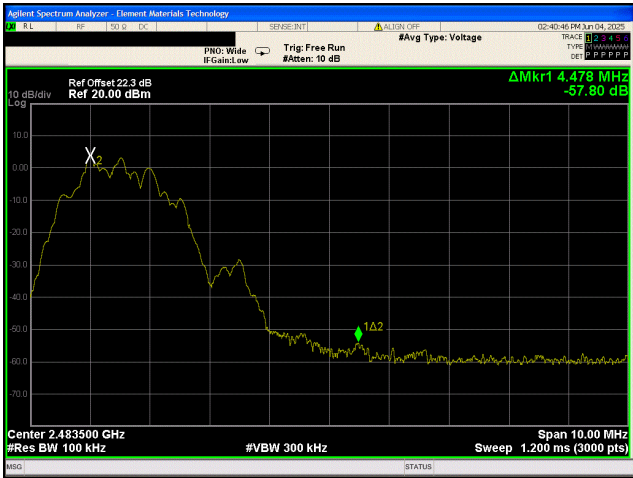


BLE/GFSK 1 Mbps
High Channel, 2480 MHz

BAND EDGE COMPLIANCE



BLE/GFSK 2 Mbps
Low Channel, 2402 MHz



BLE/GFSK 2 Mbps
High Channel, 2480 MHz

SPURIOUS CONDUCTED EMISSIONS

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet. For each transmit frequency, the fundamental was measured with a 100 kHz resolution bandwidth and the highest value was recorded. The rest of the spectrum was then measured with a 100 kHz resolution bandwidth and the highest value was found. The difference between the value found on the fundamental and the rest of the spectrum was compared against the limit to determine compliance.

The reference level offset for the fundamental screen capture was based on a measured value of the loss between the spectrum analyzer and the EUT which was verified at the time of test. The remaining screen capture(s) use an internal transducer factor on the analyzer to correct the displayed trace based on the cable loss over frequency. The reference level offset for the additional screen capture(s) is then based on the expected attenuator value and any other losses.

Fundamental Offset = Ref Lvl Offset showing measured composite factor of all losses

Remaining Screen capture(s) Offset = "Internal" cable loss factor not shown on screen capture + Ref Lvl Offset showing expected attenuator value and any other losses

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFI	2024-09-03	2025-09-03
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2024-08-28	2025-08-28
Block - DC	Fairview Microwave	SD3379	ANH	2024-08-28	2025-08-28
Attenuator	Fairview Microwave	SA4014-20	AQI	2024-08-28	2025-08-28
Signal Generator	Keysight	N5182B	TET	2024-09-12	2027-09-12

TEST EQUIPMENT: 2025-10-07

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03
Attenuator	S.M. Electronics	SA26B-20	RFW	2025-02-03	2026-02-03
Signal Generator, Vector	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Block - DC	Fairview Microwave	SD3379	ANK	2025-06-03	2026-06-03

SPURIOUS CONDUCTED EMISSIONS



EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1166
Serial Number:	BTB111014i	Date:	2025-10-07
Customer:	Medtronic, Inc.	Temperature:	22.8°C
Attendees:	Jed Meyer	Relative Humidity:	41.7%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mbar
Tested By:	Christopher Heintzelman, Arnaud Dedry	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1166-1

COMMENTS

Power setting 6dBm. Reference level offset includes measurement cable, 20db attenuator, DC block, and loss from the customer's SMA-patch cable which was declared by the customer. (Patch cable declared to be 1.0dB at 2400 MHz, 0.9dB at 2450 MHz, and 0.85dB at 2500 MHz.)

Worst case screen captures are provided.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

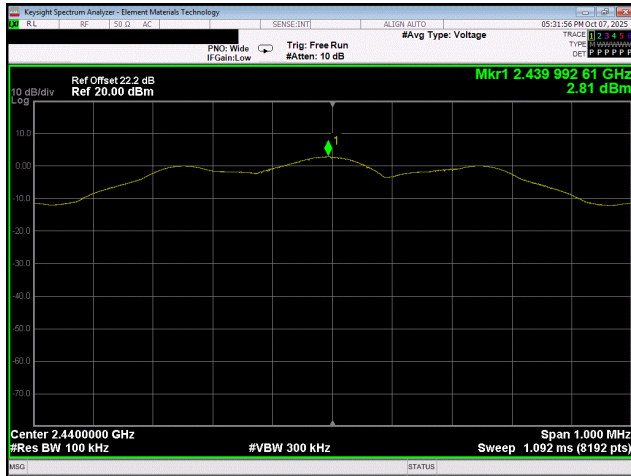
TEST RESULTS

	Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
BLE/GFSK 125 kbps					
Low Channel, 2402 MHz	Fundamental	2401.99	N/A	N/A	N/A
	30 MHz - 12.5 GHz	1764.02	-48.51	-20	Pass
	12.5 GHz - 25 GHz	24258.33	-52.68	-20	Pass
Mid Channel, 2440 MHz	Fundamental	2439.99	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12277.73	-49.88	-20	Pass
	12.5 GHz - 25 GHz	24966.43	-39.69	-20	Pass
High Channel, 2480 MHz	Fundamental	2479.99	N/A	N/A	N/A
	30 MHz - 12.5 GHz	3790.33	-56.01	-20	Pass
	12.5 GHz - 25 GHz	24154.56	-52.95	-20	Pass
BLE/GFSK 500 kbps					
Low Channel, 2402 MHz	Fundamental	2401.75	N/A	N/A	N/A
	30 MHz - 12.5 GHz	2580.02	-56.09	-20	Pass
	12.5 GHz - 25 GHz	24162.19	-53.97	-20	Pass
Mid Channel, 2440 MHz	Fundamental	2439.75	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12197.04	-52.13	-20	Pass
	12.5 GHz - 25 GHz	24934.38	-39.34	-20	Pass
High Channel, 2480 MHz	Fundamental	2479.75	N/A	N/A	N/A
	30 MHz - 12.5 GHz	3811.65	-57.73	-20	Pass
	12.5 GHz - 25 GHz	24993.9	-54	-20	Pass
BLE/GFSK 1 Mbps					
Low Channel, 2402 MHz	Fundamental	2402.02	N/A	N/A	N/A
	30 MHz - 12.5 GHz	1867.54	-56.78	-20	Pass

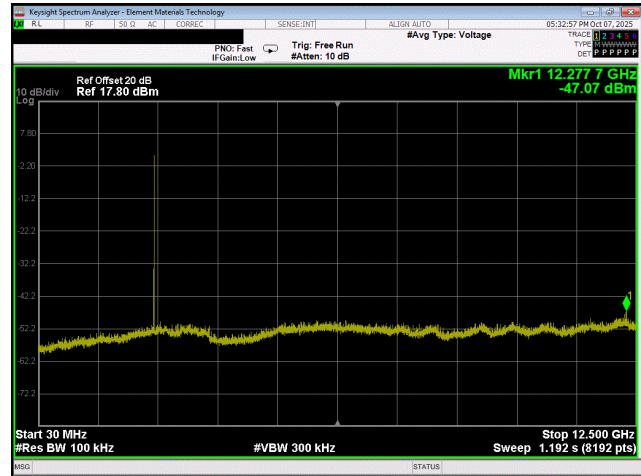
SPURIOUS CONDUCTED EMISSIONS

	Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit $\leq$ (dBc)	Result
Mid Channel, 2440 MHz	12.5 GHz - 25 GHz	24011.11	-52.97	-20	Pass
	Fundamental	2439.75	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12063.07	-51.22	-20	Pass
High Channel, 2480 MHz	12.5 GHz - 25 GHz	24876.39	-39.93	-20	Pass
	Fundamental	2480.02	N/A	N/A	N/A
	30 MHz - 12.5 GHz	5804.47	-57.18	-20	Pass
	12.5 GHz - 25 GHz	24247.65	-53.14	-20	Pass
BLE/GFSK 2 Mbps					
Low Channel, 2402 MHz	Fundamental	2401.5	N/A	N/A	N/A
	30 MHz - 12.5 GHz	10883.21	-57.29	-20	Pass
	12.5 GHz - 25 GHz	23853.93	-53.44	-20	Pass
Mid Channel, 2440 MHz	Fundamental	2439.5	N/A	N/A	N/A
	30 MHz - 12.5 GHz	10584.82	-51.52	-20	Pass
	12.5 GHz - 25 GHz	24830.61	-39.66	-20	Pass
High Channel, 2480 MHz	Fundamental	2479.5	N/A	N/A	N/A
	30 MHz - 12.5 GHz	5789.25	-55.71	-20	Pass
	12.5 GHz - 25 GHz	24937.43	-52.91	-20	Pass

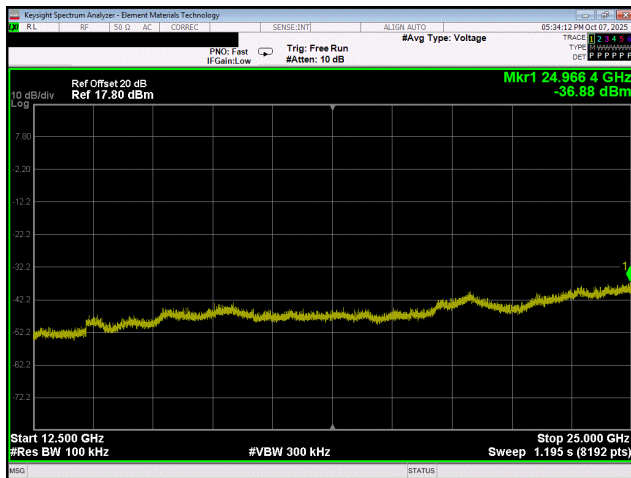
SPURIOUS CONDUCTED EMISSIONS



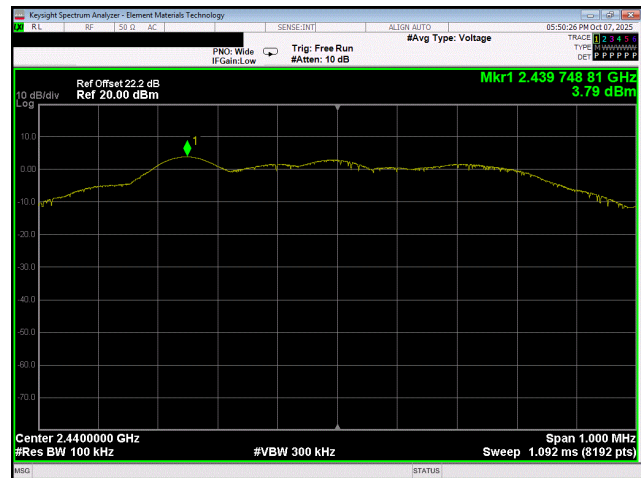
BLE/GFSK 125 kbps
Mid Channel, 2440 MHz



BLE/GFSK 125 kbps
Mid Channel, 2440 MHz

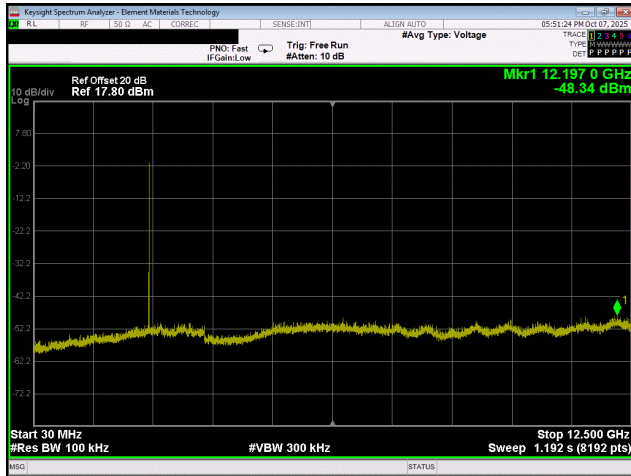


BLE/GFSK 125 kbps
Mid Channel, 2440 MHz

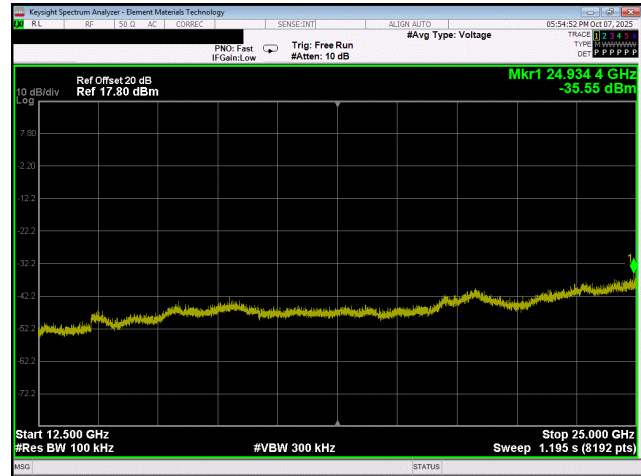


BLE/GFSK 500 kbps
Mid Channel, 2440 MHz

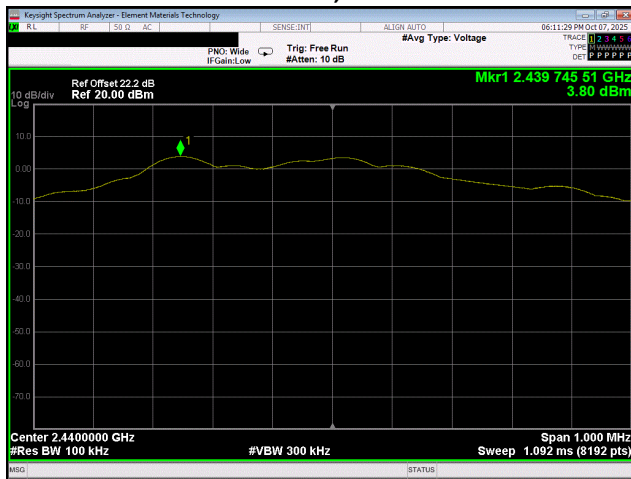
SPURIOUS CONDUCTED EMISSIONS



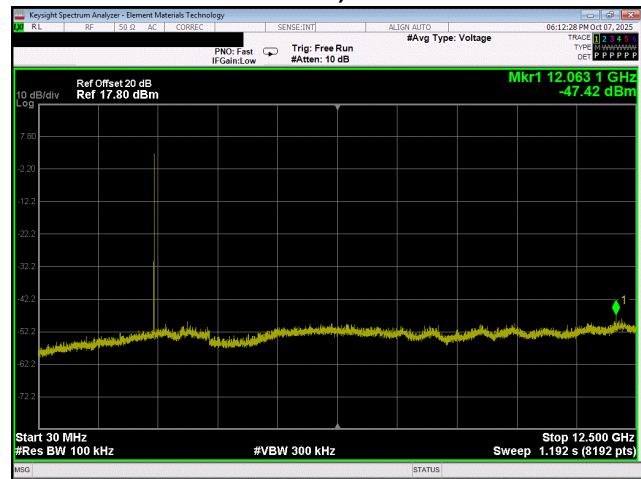
BLE/GFSK 500 kbps
Mid Channel, 2440 MHz



BLE/GFSK 500 kbps
Mid Channel, 2440 MHz



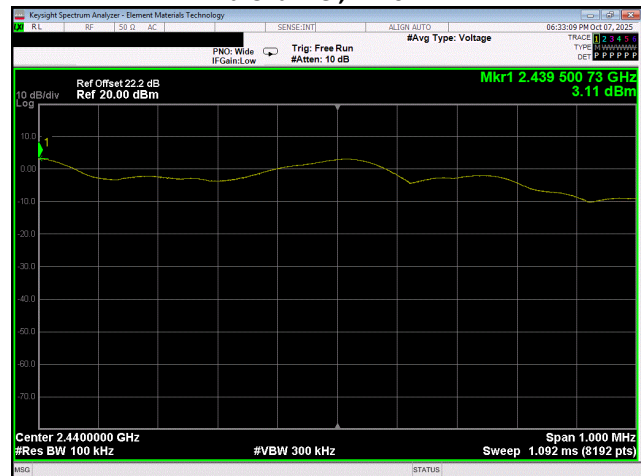
BLE/GFSK 1 Mbps
Mid Channel, 2440 MHz



BLE/GFSK 1 Mbps
Mid Channel, 2440 MHz

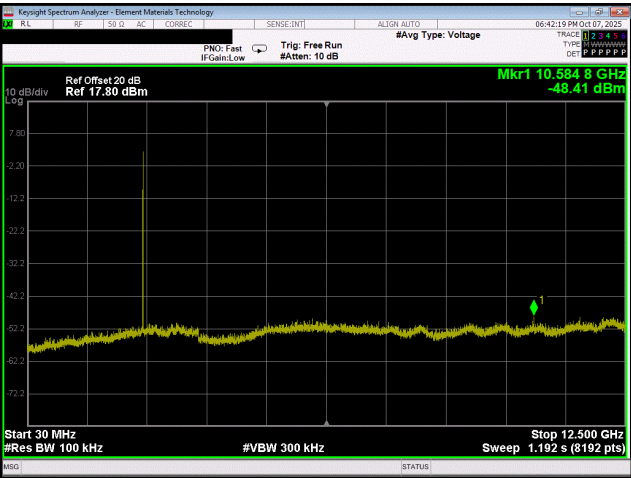


BLE/GFSK 1 Mbps
Mid Channel, 2440 MHz

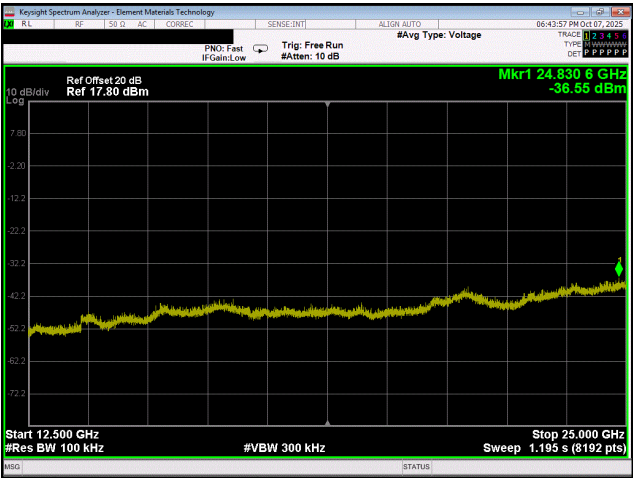


BLE/GFSK 2 Mbps
Mid Channel, 2440 MHz

SPURIOUS CONDUCTED EMISSIONS



BLE/GFSK 2 Mbps
Mid Channel, 2440 MHz



BLE/GFSK 2 Mbps
Mid Channel, 2440 MHz

SPURIOUS RADIATED EMISSIONS

TEST DESCRIPTION

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. A reference preview scan (pre-scan) is included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector
PK = Peak Detector
AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out of band emissions as well as the restricted band requirements.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

Measurements within 2 MHz of the allowable band may have been taken using the integration method from ANSI C63.10 clause 11.13.3. This procedure uses the channel power feature of the spectrum analyzer to integrate the power of the emission within a 1 MHz bandwidth.

Where the radio test software does not provide for a duty cycle at continuous transmit conditions (> 98%) and the RMS (power average) measurements were made across the on and off times of the EUT transmissions, a duty cycle correction is added to the measurements using the formula of $10 \cdot \log(1/dc)$.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Double Ridge	ETS Lindgren	3115	AIR	2024-07-23	2026-07-23
Cable	Northwest EMC	1-8GHz RE Cables	OCJ	2025-04-30	2026-04-30
Amplifier - Pre-Amplifier	Cernex	CBL01084020-xx	PAX	2025-04-30	2026-04-30
Attenuator	Fairview Microwave	SA18H-20	TKQ	2025-05-01	2026-05-01
Filter - High Pass	Micro-Tronics	HPM50111	HHX	2025-04-30	2026-04-30
Antenna - Standard Gain	ETS Lindgren	3160-07	AHR	2024-12-03	2025-12-03
Cable	Northwest EMC	8-18GHz RE Cables	OCO	2025-03-18	2026-03-18
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AOE	2025-03-18	2026-03-18
Antenna - Standard Gain	ETS Lindgren	3160-08	AHT	2024-12-03	2025-12-03
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AOF	2025-03-18	2026-03-18
Antenna - Standard Gain	ETS Lindgren	3160-09	AHN	2024-12-03	2025-12-03
Cable	Northwest EMC	18-26GHz RE Cables	OCK	2024-12-10	2025-12-10
Amplifier - Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AOI	2024-12-10	2025-12-10
Antenna - Biconilog	Teseq	CBL 6141A	AYE	2025-09-18	2027-09-18
Cable	Northwest EMC	10kHz-1GHz RE Cables	OCH	2025-05-01	2026-05-01
Amplifier - Pre-Amplifier	Miteq	AM-1402	AOZ	2025-05-01	2026-05-01
Filter - Low Pass	Micro-Tronics	LPM50004	LFT	2024-12-17	2025-12-17
Antenna - Loop	EMCO	6502	AZB	2025-09-23	2027-09-23
Analyzer – Spectrum Analyzer	Agilent	N9010A	AFJ	2025-03-03	2026-03-03

SPURIOUS RADIATED EMISSIONS

FREQUENCY RANGE INVESTIGATED

9 kHz TO 26.5 GHz

POWER INVESTIGATED

120VAC/60Hz

CONFIGURATIONS INVESTIGATED

MDTR1166-21

MODES INVESTIGATED

Transmitting Bluetooth Low Energy

SPURIOUS RADIATED EMISSIONS



EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB210015i	Date:	2025-08-07
Customer:	Medtronic, Inc.	Temperature:	24.1°C
Attendees:	Jed Meyer	Relative Humidity:	50.7%
Customer Project:	None	Bar. Pressure (PMSL):	1014 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	120VAC/60Hz	Configuration:	MDTR1166-21

TEST PARAMETERS

Run #:	44	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

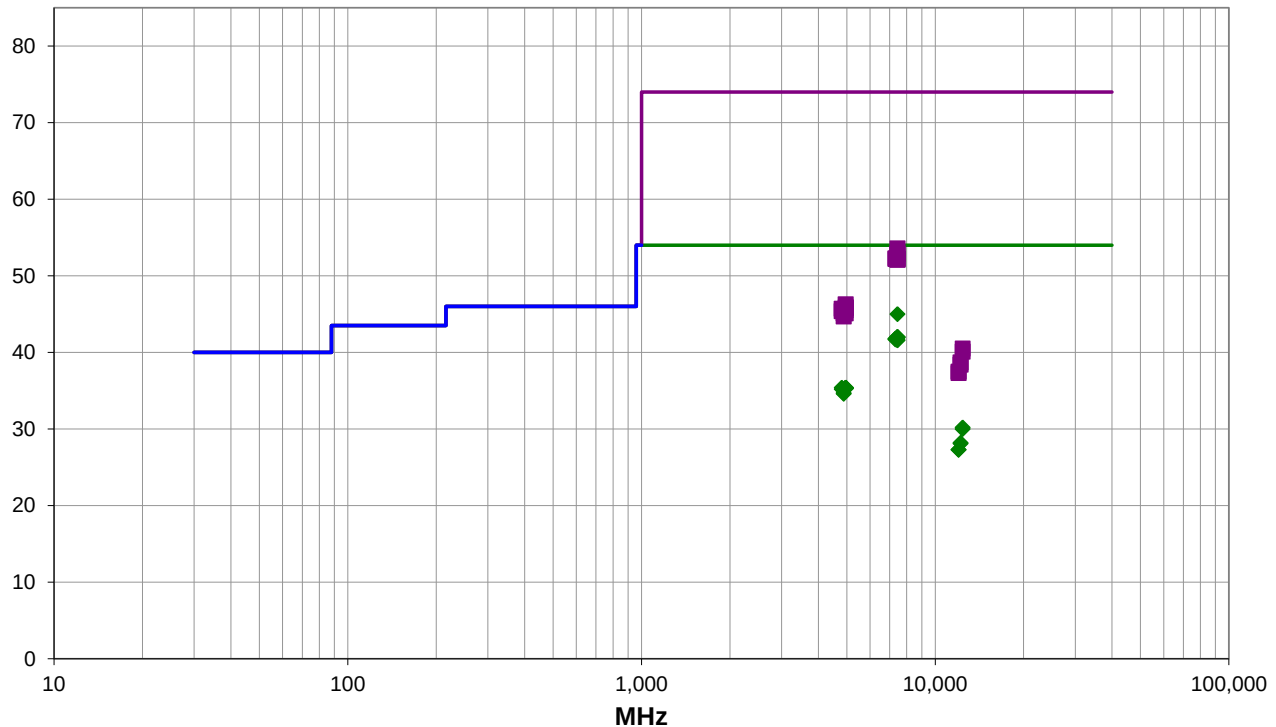
None

EUT OPERATING MODES

Transmitting Bluetooth Low Energy

DEVIATIONS FROM TEST STANDARD

None



Run #: 44

PK AV QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #44

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7437.792	34.6	6.7	1.5	261.0	3.7	0.0	Horz	AV	0.0	45.0	54.0	-9.0	Tx 2480 MHz, 2 Mbps, EUT on Side
7438.500	34.6	6.7	1.5	164.0	0.7	0.0	Vert	AV	0.0	42.0	54.0	-12.0	Tx 2480 MHz, 1 Mbps, EUT on Side
7437.517	34.6	6.7	1.5	261.0	0.7	0.0	Horz	AV	0.0	42.0	54.0	-12.0	Tx 2480 MHz, 1 Mbps, EUT on Side
7437.600	34.6	6.7	1.5	129.0	0.7	0.0	Horz	AV	0.0	42.0	54.0	-12.0	Tx 2480 MHz, 1 Mbps, EUT on Side
7437.658	34.6	6.7	1.5	56.0	0.7	0.0	Vert	AV	0.0	42.0	54.0	-12.0	Tx 2480 MHz, 1 Mbps, EUT on Side
7437.858	34.5	6.7	1.5	160.0	0.7	0.0	Vert	AV	0.0	41.9	54.0	-12.1	Tx 2480 MHz, 1 Mbps, EUT on Side
7318.067	34.7	6.4	1.5	2.0	0.7	0.0	Vert	AV	0.0	41.8	54.0	-12.2	Tx 2440 MHz, 1 Mbps, EUT on Side
7317.525	34.6	6.4	2.1	169.0	0.7	0.0	Horz	AV	0.0	41.7	54.0	-12.3	Tx 2440 MHz, 1 Mbps, EUT on Side
7437.675	34.5	6.7	1.5	261.0	0.4	0.0	Horz	AV	0.0	41.6	54.0	-12.4	Tx 2480 MHz, 500 kbps, EUT on Side
7437.775	34.5	6.7	1.5	261.0	0.4	0.0	Horz	AV	0.0	41.6	54.0	-12.4	Tx 2480 MHz, 125 kbps, EUT on Side
4806.433	38.7	-4.0	1.5	173.0	0.7	0.0	Vert	AV	0.0	35.4	54.0	-18.6	Tx 2402 MHz, 1 Mbps, EUT on Side
4957.533	38.3	-3.6	1.5	18.0	0.7	0.0	Vert	AV	0.0	35.4	54.0	-18.6	Tx 2480 MHz, 1 Mbps, EUT on Side
4957.692	38.3	-3.6	1.5	107.0	0.7	0.0	Horz	AV	0.0	35.4	54.0	-18.6	Tx 2480 MHz, 1 Mbps, EUT on Side
4957.725	38.3	-3.6	2.9	240.0	0.7	0.0	Vert	AV	0.0	35.4	54.0	-18.6	Tx 2480 MHz, 1 Mbps, EUT on Horiz
4957.625	38.2	-3.6	1.5	167.0	0.7	0.0	Vert	AV	0.0	35.3	54.0	-18.7	Tx 2480 MHz, 1 Mbps, EUT on Vert
4957.758	38.2	-3.6	1.5	222.0	0.7	0.0	Horz	AV	0.0	35.3	54.0	-18.7	Tx 2480 MHz, 1 Mbps, EUT on Vert
4957.767	38.2	-3.6	1.5	291.0	0.7	0.0	Horz	AV	0.0	35.3	54.0	-18.7	Tx 2480 MHz, 1 Mbps, EUT on Horiz
4806.467	38.5	-4.0	1.5	113.0	0.7	0.0	Horz	AV	0.0	35.2	54.0	-18.8	Tx 2402 MHz, 1 Mbps, EUT on Side
4877.783	37.8	-3.8	1.5	45.0	0.7	0.0	Horz	AV	0.0	34.7	54.0	-19.3	Tx 2440 MHz, 1 Mbps, EUT on Side
4880.075	37.7	-3.8	1.5	79.0	0.7	0.0	Vert	AV	0.0	34.6	54.0	-19.4	Tx 2440 MHz, 1 Mbps, EUT on Side
7441.208	46.9	6.7	1.5	56.0	0.0	0.0	Vert	PK	0.0	53.6	74.0	-20.4	Tx 2480 MHz, 1 Mbps, EUT on Side
7441.575	46.2	6.7	1.5	129.0	0.0	0.0	Horz	PK	0.0	52.9	74.0	-21.1	Tx 2480 MHz, 1 Mbps, EUT on Side
7442.033	46.1	6.8	1.5	261.0	0.0	0.0	Horz	PK	0.0	52.9	74.0	-21.1	Tx 2480 MHz, 125 kbps, EUT on Side
7320.100	45.8	6.5	2.1	169.0	0.0	0.0	Horz	PK	0.0	52.3	74.0	-21.7	Tx 2440 MHz, 1 Mbps, EUT on Side
7439.300	45.6	6.7	1.5	261.0	0.0	0.0	Horz	PK	0.0	52.3	74.0	-21.7	Tx 2480 MHz, 500 kbps, EUT on Side
7318.525	45.8	6.4	1.5	2.0	0.0	0.0	Vert	PK	0.0	52.2	74.0	-21.8	Tx 2440 MHz, 1 Mbps, EUT on Side
7438.758	45.5	6.7	1.5	261.0	0.0	0.0	Horz	PK	0.0	52.2	74.0	-21.8	Tx 2480 MHz, 1 Mbps, EUT on Side
7437.842	45.4	6.7	1.5	160.0	0.0	0.0	Vert	PK	0.0	52.1	74.0	-21.9	Tx 2480 MHz, 1 Mbps, EUT on Side
7441.625	45.3	6.8	1.5	261.0	0.0	0.0	Horz	PK	0.0	52.1	74.0	-21.9	Tx 2480 MHz, 2 Mbps, EUT on Side
12398.800	31.1	-1.6	1.5	250.0	0.7	0.0	Horz	AV	0.0	30.2	54.0	-23.8	Tx 2480 MHz, 1 Mbps, EUT on Side
12397.740	30.9	-1.6	3.0	210.0	0.7	0.0	Vert	AV	0.0	30.0	54.0	-24.0	Tx 2440 MHz, 1 Mbps, EUT on Side
12197.550	30.9	-3.4	2.9	125.0	0.7	0.0	Horz	AV	0.0	28.2	54.0	-25.8	Tx 2440 MHz, 1 Mbps, EUT on Side
12198.280	30.7	-3.3	1.8	234.0	0.7	0.0	Vert	AV	0.0	28.1	54.0	-25.9	Tx 2440 MHz, 1 Mbps, EUT on Side
12007.590	31.7	-5.1	1.5	169.0	0.7	0.0	Horz	AV	0.0	27.3	54.0	-26.7	Tx 2402 MHz, 1 Mbps, EUT on Side
12007.830	31.7	-5.1	2.5	284.0	0.7	0.0	Vert	AV	0.0	27.3	54.0	-26.7	Tx 2402 MHz, 1 Mbps, EUT on Side
4958.242	49.9	-3.6	1.5	222.0	0.0	0.0	Horz	PK	0.0	46.3	74.0	-27.7	Tx 2480 MHz, 1 Mbps, EUT on Vert
4960.225	49.5	-3.6	1.5	107.0	0.0	0.0	Horz	PK	0.0	45.9	74.0	-28.1	Tx 2480 MHz, 1 Mbps, EUT on Side
4959.617	49.4	-3.6	1.5	18.0	0.0	0.0	Vert	PK	0.0	45.8	74.0	-28.2	Tx 2480 MHz, 1 Mbps, EUT on Side
4960.175	49.4	-3.6	2.9	240.0	0.0	0.0	Vert	PK	0.0	45.8	74.0	-28.2	Tx 2480 MHz, 1 Mbps, EUT on Horiz

SPURIOUS RADIATED EMISSIONS

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
4805.958	49.7	-4.0	1.5	173.0	0.0	0.0	Vert	PK	0.0	45.7	74.0	-28.3	Tx 2402 MHz, 1 Mbps, EUT on Side
4960.358	49.1	-3.6	1.5	291.0	0.0	0.0	Horz	PK	0.0	45.5	74.0	-28.5	Tx 2480 MHz, 1 Mbps, EUT on Horiz
4804.342	49.4	-4.0	1.5	113.0	0.0	0.0	Horz	PK	0.0	45.4	74.0	-28.6	Tx 2402 MHz, 1 Mbps, EUT on Side
4880.917	48.9	-3.8	1.5	45.0	0.0	0.0	Horz	PK	0.0	45.1	74.0	-28.9	Tx 2440 MHz, 1 Mbps, EUT on Side
4959.492	48.7	-3.6	1.5	167.0	0.0	0.0	Vert	PK	0.0	45.1	74.0	-28.9	Tx 2480 MHz, 1 Mbps, EUT on Vert
4881.808	48.5	-3.8	1.5	79.0	0.0	0.0	Vert	PK	0.0	44.7	74.0	-29.3	Tx 2440 MHz, 1 Mbps, EUT on Side
12398.340	42.1	-1.6	1.5	250.0	0.0	0.0	Horz	PK	0.0	40.5	74.0	-33.5	Tx 2480 MHz, 1 Mbps, EUT on Side
12398.010	41.7	-1.6	3.0	210.0	0.0	0.0	Vert	PK	0.0	40.1	74.0	-33.9	Tx 2440 MHz, 1 Mbps, EUT on Side
12200.580	42.0	-3.3	2.9	125.0	0.0	0.0	Horz	PK	0.0	38.7	74.0	-35.3	Tx 2440 MHz, 1 Mbps, EUT on Side
12199.100	41.7	-3.3	1.8	234.0	0.0	0.0	Vert	PK	0.0	38.4	74.0	-35.6	Tx 2440 MHz, 1 Mbps, EUT on Side
12008.260	42.6	-5.1	2.5	284.0	0.0	0.0	Vert	PK	0.0	37.5	74.0	-36.5	Tx 2402 MHz, 1 Mbps, EUT on Side
12010.620	42.4	-5.1	1.5	169.0	0.0	0.0	Horz	PK	0.0	37.3	74.0	-36.7	Tx 2402 MHz, 1 Mbps, EUT on Side

CONCLUSION

Pass

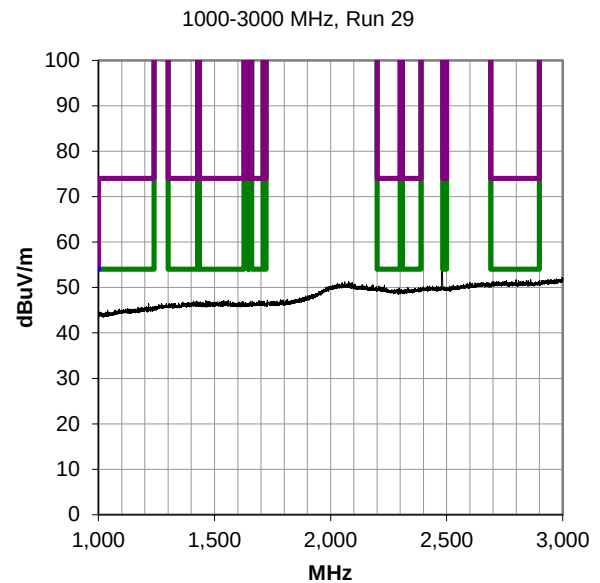
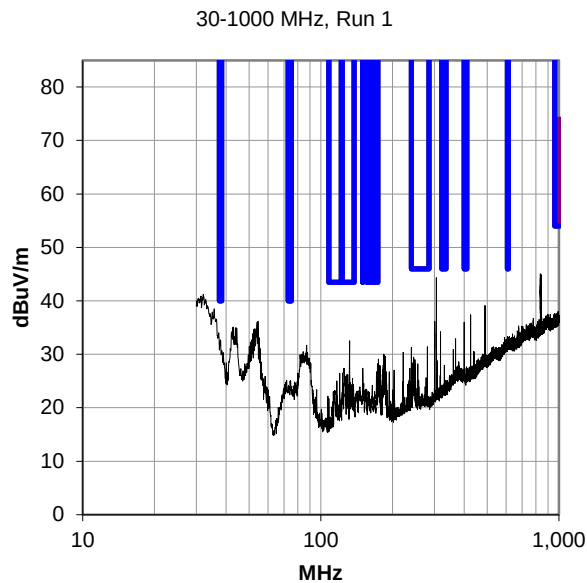
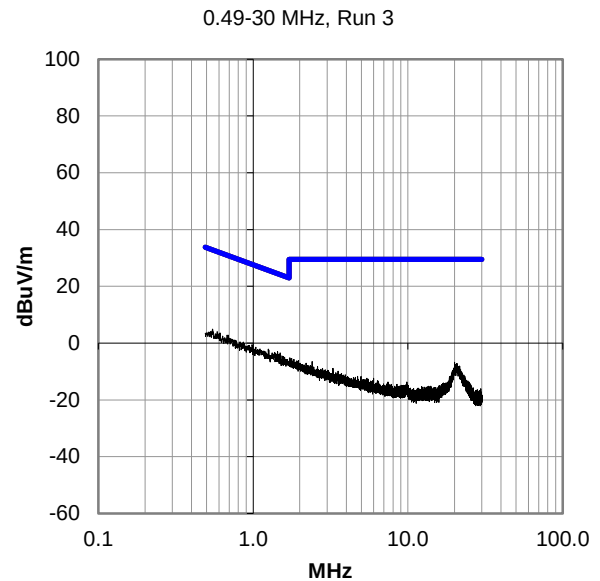
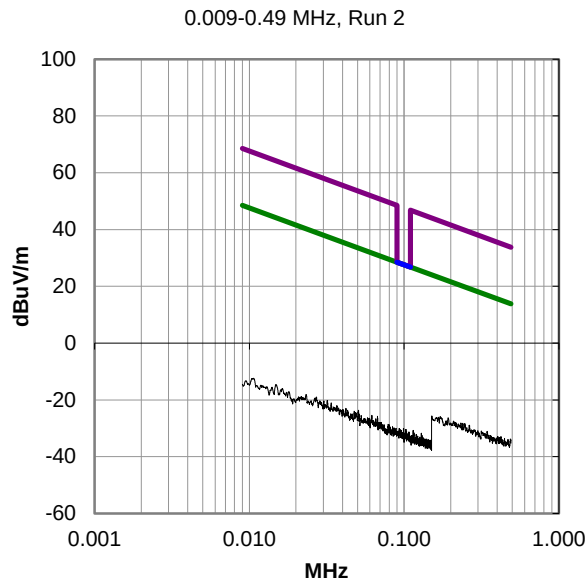


Tested By

SPURIOUS RADIATED EMISSIONS

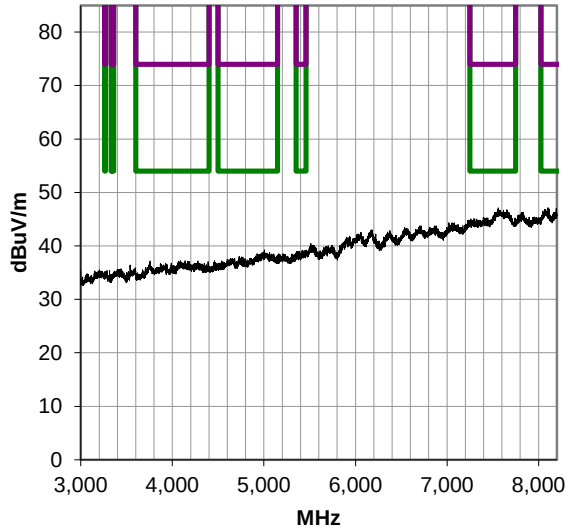
PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

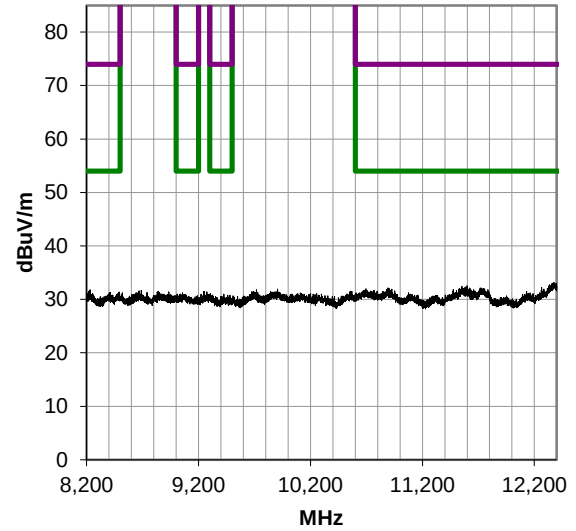


SPURIOUS RADIATED EMISSIONS

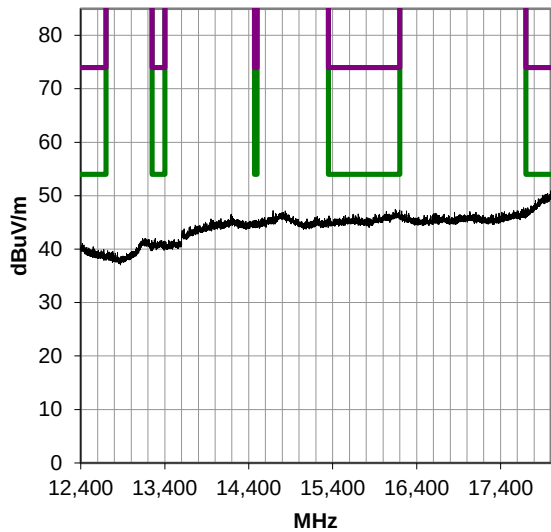
3000-8200 MHz, Run 43



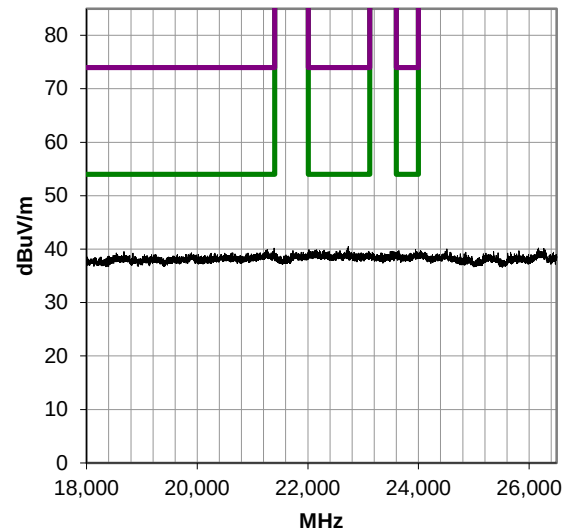
8200-12400 MHz, Run 31



12400-18000 MHz, Run 32



18000-26500 MHz, Run 51



RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made in a radiated configuration of the fundamental with the carrier fully maximized for its highest radiated power.

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

The emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and attenuation were used (if needed) for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

PK = Peak Detector
AV = RMS Detector

Measurements within 2 MHz of the allowable band may have been taken using the integration method from ANSI C63.10 clause 11.13.3. This procedure uses the channel power feature of the spectrum analyzer to integrate the power of the emission within a 1 MHz bandwidth.

Where the radio test software does not provide for a duty cycle at continuous transmit conditions (> 98%) and the RMS (power average) measurements were made across the on and off times of the EUT transmissions, a duty cycle correction is added to the measurements using the formula of $10 \cdot \log(1/dc)$.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFI	2025-09-29	2026-09-29
Antenna - Double Ridge	ETS Lindgren	3115	AJQ	2025-02-05	2027-02-05
Cable	Element	Double Ridge Guide Horn Cables	MNV	2025-09-11	2026-09-11
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVX	2025-02-01	2026-02-01
Attenuator	Coaxicom	3910-10	AWZ	2025-09-11	2026-09-11

RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB110159i	Date:	2025-11-18
Customer:	Medtronic, Inc.	Temperature:	23.3°C
Attendees:	None	Relative Humidity:	24.5%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN09
Power:	110VAC/60Hz	Configuration:	MDTR1166-24

COMMENTS

A Duty Cycle Correction Factor was applied to the measurement using the formula $DCCF + 10 \cdot \log(1/\text{Duty Cycle})$. The radiated duty cycle was measured in this report.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

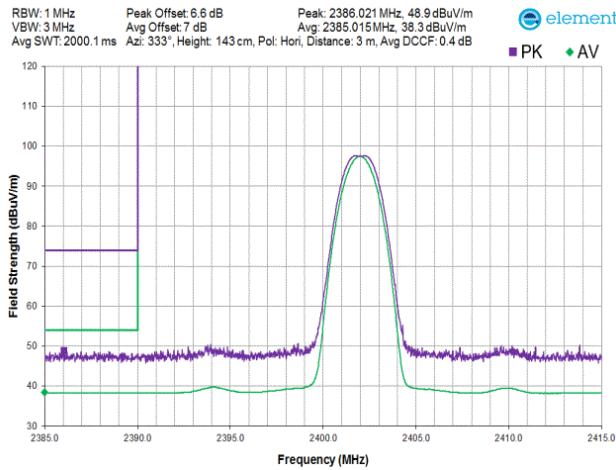
Pass

Tested By

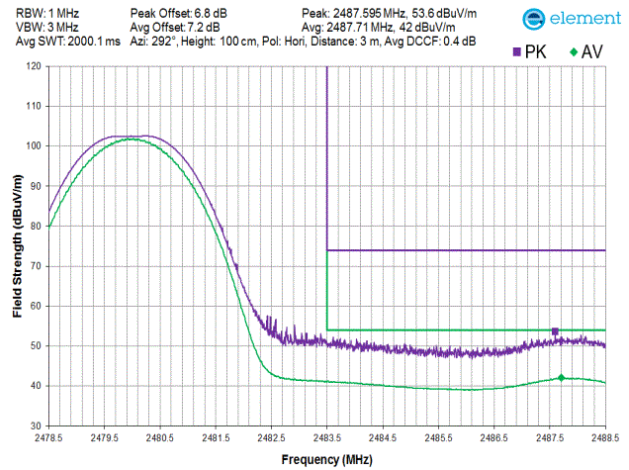
TEST RESULTS

		Frequency (MHz)	PK (dBuV/m) AV (dBuV/m)	PK Lim (dBuV/m) AV Lim (dBuV/m)	Worst Margin (dB)	Pol. (H/V)	EUT Orientation	Results
BLE/GFSK 125 kbps								
Low Channel, 2402 MHz	2386.021	48.9	74.0	-15.7	H	Vertical	Pass	
	2385.015	38.3	54.0					
High Channel, 2480 MHz	2487.595	53.6	74.0	-12.0	H	Vertical	Pass	
	2487.710	42.0	54.0					
BLE/GFSK 500 kbps								
Low Channel, 2402 MHz	2387.206	49.3	74.0	-15.5	H	Vertical	Pass	
	2386.036	38.5	54.0					
High Channel, 2480 MHz	2487.379	52.2	74.0	-12.9	H	Vertical	Pass	
	2487.575	41.1	54.0					
BLE/GFSK 1 Mbps								
Low Channel, 2402 MHz	2386.876	49.4	74.0	-15.4	H	Vertical	Pass	
	2385.585	38.6	54.0					
High Channel, 2480 MHz	2488.040	53.6	74.0	-11.4	H	Vertical	Pass	
	2487.620	42.6	54.0					
BLE/GFSK 2 Mbps								
Low Channel, 2402 MHz	2483.528	60.3	74.0	-9.2	H	Horizontal	Pass	
	2483.503	44.8	54.0					
High Channel, 2480 MHz	2483.778	58.7	74.0	-9.9	V	Horizontal	Pass	
	2483.508	44.1	54.0					
	2483.503	61.4	74.0	-8.0	V	Vertical	Pass	
	2483.508	46.0	54.0					
	2483.533	64.3	74.0	-6.9	H	Vertical	Pass	
	2483.503	47.1	54.0					
	2483.633	59.3	74.0	-9.1	H	on Side	Pass	
	2483.508	44.9	54.0					
	2483.653	57.1	74.0	-10.6	V	on Side	Pass	
	2483.503	43.4	54.0					

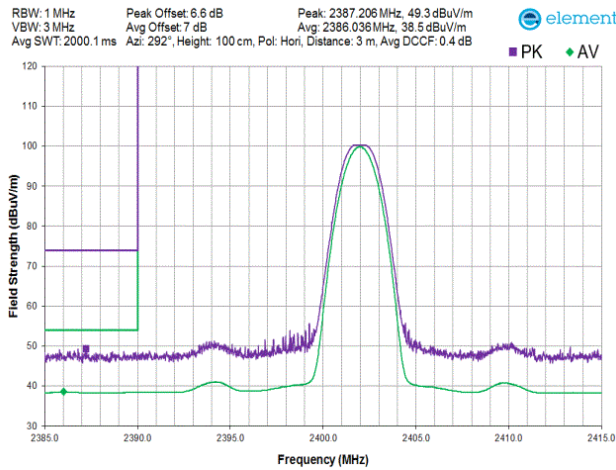
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



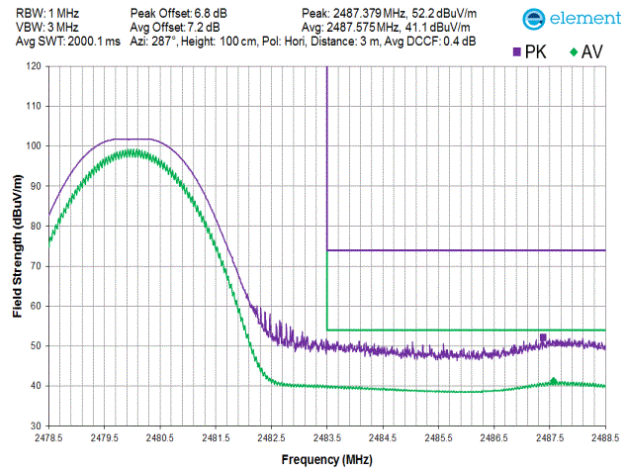
**BLE/GFSK 125 kbps
Low Channel, 2402 MHz**



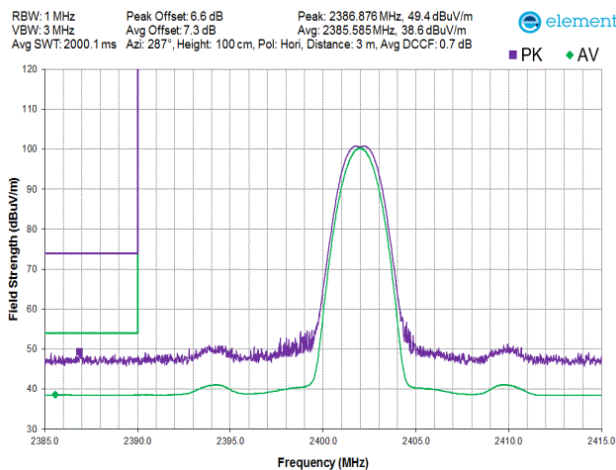
**BLE/GFSK 125 kbps
High Channel, 2480 MHz**



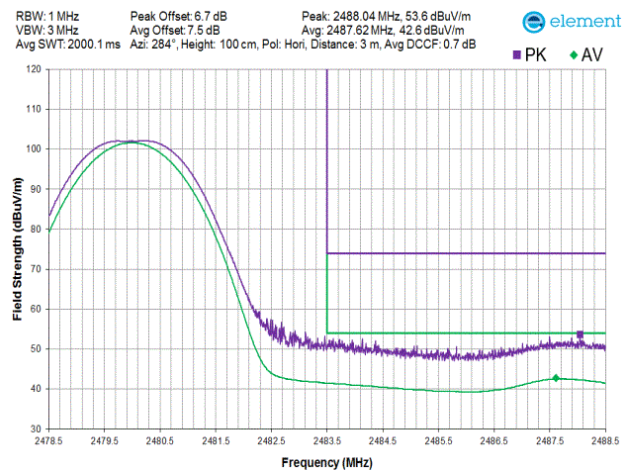
**BLE/GFSK 500 kbps
Low Channel, 2402 MHz**



**BLE/GFSK 500 kbps
High Channel, 2480 MHz**

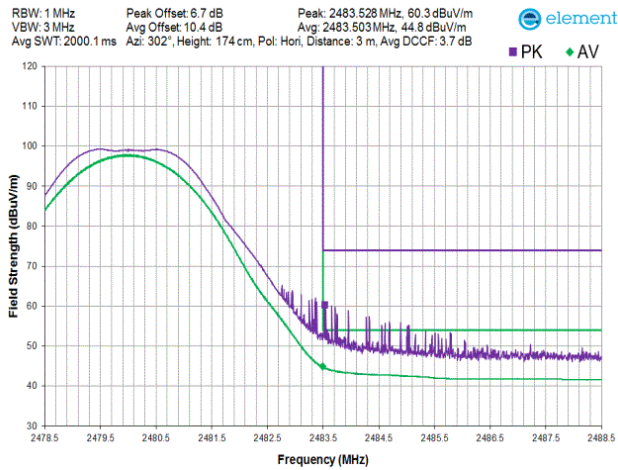


**BLE/GFSK 1 Mbps
Low Channel, 2402 MHz**

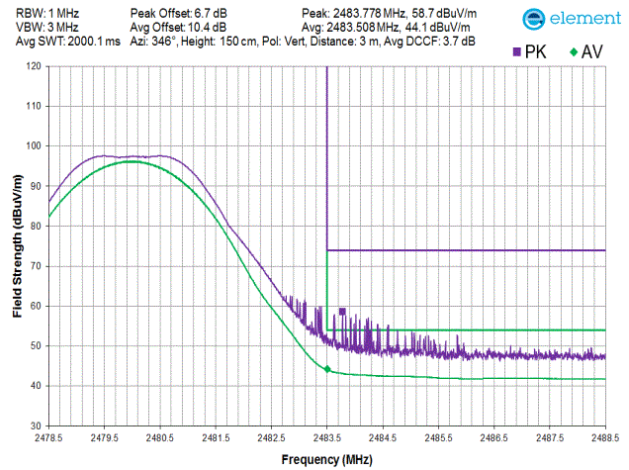


**BLE/GFSK 1 Mbps
High Channel, 2480 MHz**

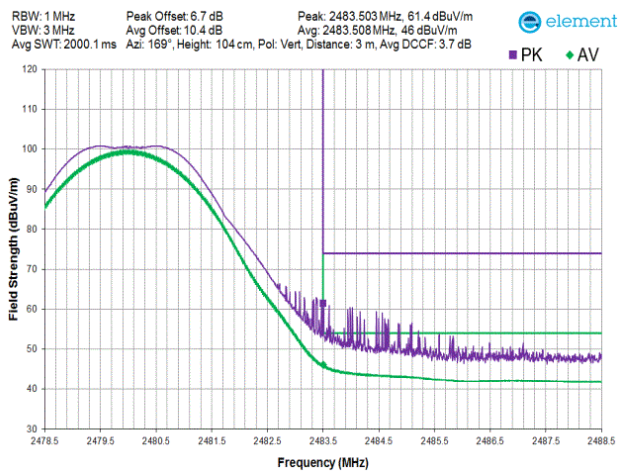
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



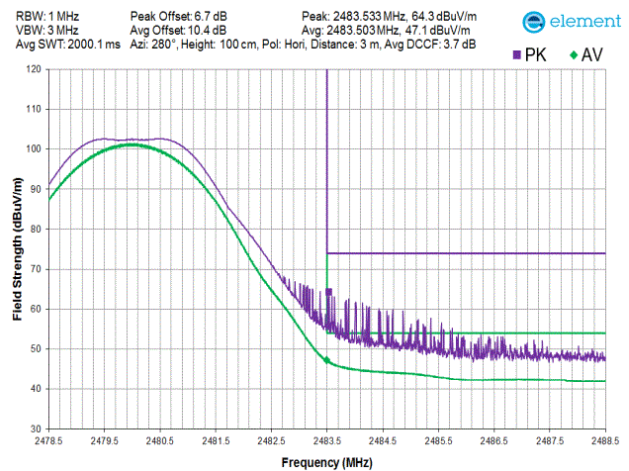
**BLE/GFSK 2 Mbps
Low Channel, 2402 MHz**



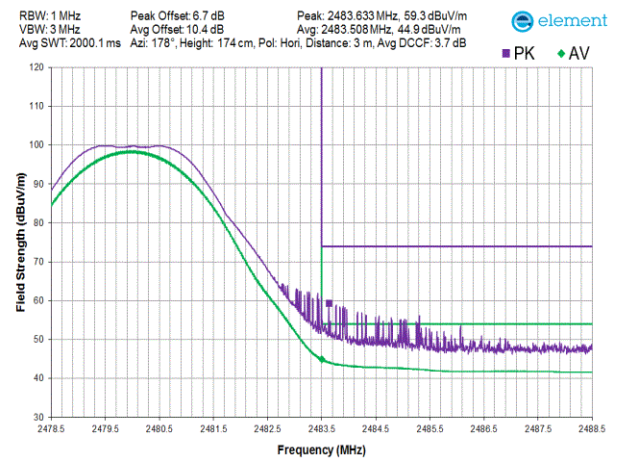
**BLE/GFSK 2 Mbps
High Channel, 2480 MHz**



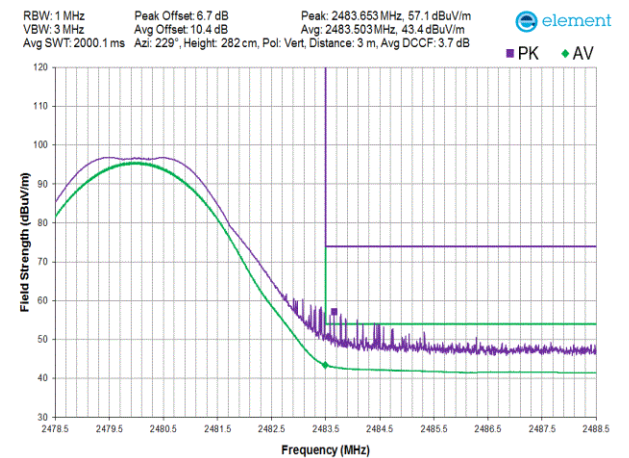
**BLE/GFSK 2 Mbps
Low Channel, 2402 MHz**



**BLE/GFSK 2 Mbps
High Channel, 2480 MHz**



**BLE/GFSK 2 Mbps
Low Channel, 2402 MHz**



**BLE/GFSK 2 Mbps
High Channel, 2480 MHz**

End of Test Report